

**59002943**

**Anonymous.**

Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata [Proceedings of the Glaciological symposium; Climate change and the future of glaciosphere]: **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 77-174 (English sum.), 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation. Individual papers are cited separately.

**59002944**

**Arkhipov, S. M. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation); Mikhailenko, V. N.; Kunakhovich, M. G.; Dikikh, A. N. and Nagornov, O. V.**

Termicheskii rezhim, usloviia l'dobrazovaniia i akumulatsiia na ladnike Grigor'eva (Tyan'-Shan') v 1962-2001 gg. [Thermal regime, ice types and accumulation in Grigor'ev Glacier, Tien Shan, 1962-2001]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 77-83 (English sum.), illus., 7 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002945**

**Knizhnikov, Iu. F. (Moskovskii Gosudarstvennyi Universitet im M. V. Lomonosova, Moscow, Russian Federation) and Kravtsova, V. I.**

Stereoskopicheskie s"emki v glyatsiologii; dostizheniia i perspektivy [Stereophotography in glaciology; achievements and prospects]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 84-93 (English sum.), illus., 49 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002946**

**Zverkova, N. M. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation); Kryukova, O. S. and Chernova, L. P.**

Vozmozhnosti ispol'zovaniia elektronnoogo atlasa "Mir snega i l'da" pri reshenii glyatsiologicheskikh zadach [Possibility for application of the digital atlas "World of snow and ice" in glaciology]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 94-100 (English sum.), 2 tables, sketch maps, 17 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002947**

**Epifanov, V. P. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation).**

Uprugost' polikristallicheskogo l'da [Elasticity of polycrystalline ice]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 101-111 (English sum.), illus. incl. 3 tables, 27 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002948**

**Aleksandrov, E. I. (Arkticheskii i Antarkticheskii NII, Saint Petersburg, Russian Federation); Bryazgin, N. N.; Dement'ev, A. A. and Radionov, V. F.**

Prostranstvenno-vremennaia izmenchivost' summ srednesutochnykh temperatur vozdukha v Rossiiskoi Arktike [Spatial and temporal variations of the daily air temperatures in the Russian Arctic]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 112-118 (English sum.), illus. incl. 3 tables, 15 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002949**

**Kazanskii, A. B. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation) and Zolotokrylin, A. N.**

O teplovom balanse poverkhnosti tundry v oblasti vechnoi merzloty [Thermal balance of tundra surface in the permafrost zone]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 119-122 (English sum.), 13 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002950**

**Osokin, N. I. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation); Samoilov, R. S. and Sosnovskii, A. V.**

K otsenke razuplotneniia snezhnogo pokrova na granitse sneg-grunt pod vlianiem diffuzii vodyanogo para [Estimate of snow cover decompaction at the snow-ground boundary under the influence of water vapor diffusion]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 123-126 (English sum.), illus., 7 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002951**

**Osokin, N. I. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation); Samoilov, R. S. and Sosnovskii, A. V.**

Otsenka teplomassoobmena v poverkhnostnom sloe snega s uchetom pronikaiushchei radiatsii [Estimates of heat and mass transfer in the surficial snow layer with regard to solar radiation]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 127-132 (English sum.), illus. incl. table, 12 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002952**

**Kitaev, L. M. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation); Razuvaev, V. N. and Martuganov, R. A.**

Regional'nye osobennosti izmenenii parametrov snezhnogo pokrova [Regional variations of the snow cover parameters]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 133-137 (English sum.), illus. incl. table, 6 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002953**

**Volodicheva, N. A. (Moskovskii Gosudarstvennyy Universitet im. M. V. Lomonosova, Moscow, Russian Federation); Kitaev, L. M.; Krenke, A. N. and Oleinikov, A. D.**

Mezhdodovye izmeneniia snezhnosti na Kavkaze i Vostochno-Evropeiskoi ravnine [Annual variations of snow cover in the Caucasus and East European Plain]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 138-143 (English sum.), illus., 8 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002954**

**Andreev, Iu. B. (Moskovskii Gosudarstvennyy Universitet im. M. V. Lomonosova, Moscow, Russian Federation) and Sukhanov, L. A.**

Sravnitel'nyy analiz otsenok dal'nosti vybrosa lavin na osnove raznykh statisticheskikh modelei [Comparative analysis of avalanche transport based on statistical models]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 144-146 (English sum.), illus. incl. table, 5 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002955**

**Simonov, Iu. G. (Moskovskii Gosudarstvennyy Universitet im. M. V. Lomonosova, Moscow, Russian Federation) and Volkova, V. Iu.**

Kamennye gletchery periglyatsial'noi zony Zailiiskogo Alatau (Severnyy Tyan'-Shan') [Rock glaciers in the periglacial zone of Trans-Ili Alatau, northern Tien Shan]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 147-151 (English sum.), illus., 4 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002956**

**Belaia, N. L. (Moskovskii Gosudarstvennyy Universitet im. M. V. Lomonosova, Moscow, Russian Federation).**

Rezhim selevykh iavlenii kak ob"ekt modelirovaniia na baze klimaticheskoi informatsii [Modeling of mudflows based on climatic data]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 152-158 (English sum.), illus. incl. 2 tables, 11 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002957**

**Krylenko, I. V. (Moskovskii Gosudarstvennyy Universitet im. M. V. Lomonosova, Moscow, Russian Federation); Petrakov, D. A.; Tutubalina, O. V.; Chernomorets, S. S. and Zhuravleva, P. G.**

Dinamika selevogo basseina r. Gerkhozhan-Su (Kabardino-Balkariia) posle katastrofy i iiule 2000 g. [Dynamics of mudflows in the Gerkhozhan-Su River basin, Kabardin-Balkaria after the catastrophic event in July 2000]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovaniy**, 96, p. 159-166 (English sum.), illus. incl. 3 tables, sketch map, 14 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59002958**

**Chernous, P. A. (Apatite Company, Center for Avalanches Prevention, Kirovsk, Russian Federation); Fedorenko, Iu. V.; Mokrov, E. G.; Kh'iusbi, E. and Beketova, E. B.**  
Issledovanie vliianiia seismichnosti na obrazovanie lavin [Influence of seismicity on the formation of avalanches]: *in* Materialy glyatsiologicheskogo simpoziuma; Budushchee glyatsiosfery v usloviakh menyaiushchegosya klimata, **Materialy Glyatsiologicheskikh Issledovani**, 96, p. 167-174 (English sum.), illus. incl. sketch map, 9 ref., 2004. *Meeting*: May 17-21, 2002, Pushchino, Russian Federation.

**59003349**

**Yankielun, Norbert (Cold Regions Research and Engineering Laboratory, Engineer Research and Development Center, Hanover, NH); Rosenthal, Walter and Davis, Robert E.**  
Alpine snow depth measurements from aerial FMCW radar: **Cold Regions Science and Technology**, 40(1-2), p. 123-134, illus. incl. 2 tables, 24 ref., November 2004. CRREL Report No: ERDC/CRREL MP-05-6416

**59003350**

**Colbeck, S. C. (Cold Regions Research and Engineering Laboratory, Engineer Research and Development Center, Hanover, NH) and Perovich, Don K.**  
Temperature effects of black versus white polyethylene bases for snow skis: **Cold Regions Science and Technology**, 39(1), p. 33-38, illus., 8 ref., August 2004. CRREL Report No: ERDC/CRREL MP-05-6418

**59003579**

**Chamberlain, Edwin J. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).**  
Instruction manual for operating the CRREL freeze-thaw permeameter: 22 p., illus. incl. 1 table, 199?. *Available from*: U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH, United States. Includes 3 appendices. CRREL Report No: ERDC/CRREL MP-03-6455

**59003702**

**Ketcham, Stephen A. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Moran, Mark L.; Lacombe, James; Greenfield, Roy J. and Anderson, Thomas S.**  
Seismic source model for moving vehicles: **IEEE Transactions on Geoscience and Remote Sensing**, 43(2), p. 248-256, illus., 18 ref., February 2005. Includes appendix. CRREL Report No: ERDC/CRREL MP-05-6433

**59003801**

**Kuo, Vincent H. S. (University of Southern California at Los Angeles, Los Angeles, CA) and Wilcox, William R.**  
Removal of particles by solidification: **Industrial & Engineering Chemistry Process Design and Development**, 12(3), p. 376-379, illus. incl. 3 tables, 17 ref., 1973.

**59003826**

**Ryerson, Charles C. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Koenig, George G. and Scott, Forrest R.**

Analysis of summit icing cloud microphysical properties during MWISP: *in* 40th aerospace sciences meeting & exhibit, **Aerospace Sciences Meeting & Exhibit**, 40, 10 p., illus. incl. sketch map, 17 ref., January 2002. *Meeting*: Jan. 14-17, 2002, Reno, NV. Includes appendix. CRREL Report No: ERDC/CRREL MP-05-6439

**59003827**

**Schmitz, William G. (Aquila, Kansas City, MO); Koermer, James P.; Ryerson, Charles C. and Korolev, Alexei.**

Automated assessment of mixed phase clouds during MWISP: *in* 40th aerospace sciences meeting & exhibit, **Aerospace Sciences Meeting & Exhibit**, 40, 7 p., illus. incl. 3 tables, 6 ref., January 2002. *Meeting*: Jan. 14-17, 2002, Reno, NV. CRREL Report No: ERDC/CRREL MP-05-6440

**59003828**

**Koenig, George G. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Ryerson, Charles C. and Kmiec, Rand.**

UAV icing flight simulation: *in* 40th aerospace sciences meeting & exhibit, **Aerospace Sciences Meeting & Exhibit**, 40, 7 p., illus., 25 ref., January 2002. *Meeting*: Jan. 14-17, 2002, Reno, NV. CRREL Report No: ERDC/CRREL MP-05-6441

**59003956**

**Rollings, Raymond S. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Davit, Anthony J.**

The failure at Masirah: *in* Transportation systems workshop 2004; proceedings, **Transportation Systems Workshop**, 2004, unpaginated, illus. incl. 2 tables, 2004. *Meeting*: March 20-April 20, 2004, Fort Lauderdale, FL. CRREL Report No: ERDC/CRREL MP-05-6444

**59003957**

**Rollings, Maria P. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Rollings, Raymond S. and Davit, Anthony J.**

Tropical pavement construction: *in* Transportation systems workshop 2004; proceedings, **Transportation Systems Workshop**, 2004, unpaginated, illus. incl. 2 tables, 41 ref., 2004. *Meeting*: March 20-April 20, 2004, Fort Lauderdale, FL. CRREL Report No: ERDC/CRREL MP-05-6445

**59003958**

**Rollings, Raymond S. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Anderton, Gary L.**

Base course aggregate considerations at Masirah Airbase, Oman: *in* Transportation systems workshop 2004; proceedings, **Transportation Systems Workshop**, 2004, unpaginated, illus., 8 ref., 2004. *Meeting*: March 20-April 20, 2004, Fort Lauderdale, FL. CRREL Report No: ERDC/CRREL MP-05-6446

**59003959**

**Houston, Russell, compiler (Transportation Research Board, Washington, DC).**

Transportation Research Board, 83rd annual meeting: **Annual Meeting - Transportation Research Board**, 83, variously paginated, illus., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC. Individual papers within scope are cited separately.

**59003960**

**Olard, François (Ecole Nationale des TPE, Département Génie Civil et Bâtiment, Vaulx-en-Velin, France); Di Benedetto, Hervé; Eckmann, Bernard and Vaniscote, Jean-Claude.**

Low temperature failure behavior of bituminous binders and mixes: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 21 p., illus. incl. 1 table, 29 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59003961**

**Yun, Kyong-Ku (Slippery Rock University, Slippery Rock, PA); Kim, Dong-Ho and Choi, Sung-Yong.**

Durability of rapid-setting latex modified concrete against freeze-thaw and chemicals: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 22 p., illus. incl. 3 tables, 18 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59003962**

**Yehia, Sherif A. (Western Michigan University, Department of Civil and Construction Engineering, Kalamazoo, MI) and Tuan, Christopher Y.**

An implementation of using a conductive concrete overlay for bridge deck deicing at Roca, Nebraska: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 28 p., illus. incl. 3 tables, 16 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59003963**

**Chehab, Ghassan R. (North Carolina State University, Department of Civil, Construction and Environmental Engineering, Raleigh, NC); Kim, Y. Richard; Witzak, Matthew W. and Bonaquist, Ramon.**

Prediction of thermal cracking behavior of asphalt concrete using the viscoelastoplastic continuum damage model: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 18 p., illus. incl. 1 table, 18 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59003964**

**Kayhanian, Masoud (University of California at Davis, Department of Civil and Environmental Engineering, Davis, CA); Regenmorter, Louis C. and Tsay, Kuen.**

Snowmelt runoff characteristics from highways in the Tahoe Basin and treatment investigations for improving the runoff quality: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 21 p., illus. incl. 5 tables, 31 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59003965**

**Mussato, Brent T. (Levelton Engineering, Richmond, BC); Gepraegs, Oliver K. and Farnden, Gary.**

Relative effects of sodium chloride and magnesium chloride on reinforced concrete; the state of the art: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 14 p., illus. incl. 3 tables, 37 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59003966**

**Al-Qadi, Imad L. (Virginia Polytechnic Institute and State University, Department of Civil and Environmental Engineering, Blacksburg, VA); Loulizi, Amara; Flintsch, Gerardo W.; Roosevelt, Daniel S. and Decker, Rand.**

Feasibility of using friction indicators to improve winter maintenance operations and mobility: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 17 p., illus. incl. 4 tables, 11 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59003967**

**Kochumman, George (University of Iowa, IHR Hydrosience and Engineering, Iowa City, IA) and Nixon, Wilfrid A.**

A comprehensive approach to decision making in winter maintenance: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 9 p., illus., 14 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59003968**

**Liu, Xiaobing (Oklahoma State University, School of Mechanical and Aerospace Engineering, Stillwater, OK) and Spitler, Jeffrey D.**

Simulation based investigation on the design of hydronic snow melting system: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 20 p., illus. incl. 2 tables, 19 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59003969**

**Mokwa, Robert L. (Montana State University, Department of Civil Engineering, Bozeman, MT).**

Soil response in sub-freezing environments; the frost heave model: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 19 p., illus. incl. 1 table, 34 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59003970**

**Hermansson, Ake (VTI, Swedish National Road and Transport Research Institute, Linkoping, Sweden) and Guthrie, W. Spencer.**

Effect of water table height on frost heave and water uptake rates in silty soil: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 22 p., illus. incl. 1 table, 24 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59003971**

**Tan, Elsa (University of Saskatchewan, Department of Civil Engineering, Saskatoon, SK); Fredlund, D. G. and Marjerison, Brent.**

Long term measurements of matric suction and soil temperature using thermal conductivity sensors: *in* Transportation Research Board, 83rd annual meeting (Houston, Russell, compiler), **Annual Meeting - Transportation Research Board**, 83, 14 p., illus., 7 ref., 2004. compact disc. *Meeting*: Jan. 11-15, 2004, Washington, DC.

**59004035**

**Campbell, Michael V. (Topographic Engineering Center, Alexandria, VA); Fischer, Robert L.; Pangburn, Timothy and Hardenberg, Mark J.**

Using high spatial resolution digital imagery: **ERDC Technical Report**, Rep. No. ERDC TR-05-1, 92 p., illus., February 2005. WWW. Accessed July 12, 2005.

[http://www.crrel.usace.army.mil/techpub/CRREL\\_Reports/reports/ERDC-TR-05-1.pdf](http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/ERDC-TR-05-1.pdf) CRREL Report No: ERDC/CRREL MP-05-6459

**59004038**

**Perovich, Don K. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Richter-Menge, Jacqueline A.**

Why does ice float?: **Odyssey (Milwaukee, Wis.)**, 11(9), p. 10, December 2002. CRREL Report No: ERDC/CRREL MP-05-6450

**59004041**

**Dickfoss, Paul Vernon.**

Stratified ice accumulations as a source of climate proxy data: 220 p., illus. incl. 9 tables, 75 ref., Master's, 1996, Ohio State University, Columbus, OH.

**59004042**

**Henderson, Keith Allen.**

The El Niño-Southern Oscillation and other modes of interannual tropical climate variability as recorded in ice cores from the Nevada Huascarán Col, Peru: 194 p., illus. incl. 3 tables, 96 ref., Master's, 1996, Ohio State University, Columbus, OH.

**59004043**

**Sparrman, Tobias (Umea University, Department of Medical Biochemistry and Biophysics, Umea, Sweden); Oquist, Mats; Klemedtsson, Leif; Schleucher, Jurgen and Nilsson, Mats.**

Quantifying unfrozen water in frozen soil by high-field <sup>2</sup>H NMR: **Environmental Science & Technology, ES & T**, 38(15), p. 5420-5425, 40 ref., August 1, 2004.

**59004074**

**Bambulyak, Alexei and Frantzen, Bjorn.**

Oil transport from the Russian part of the Barents region; status per January 2005: Svanhovd miljosenter, Norway, World Wildlife Fund, Norwegian Barents Secretariat, Norway, 90 p., illus. incl. tables, sketch maps, 16 ref., 2005. ISBN: 82-7781-068-7.

**59004076**

**Archer, David (University of Chicago, Department of Geophysical Sciences, Chicago, IL) and Ganopolski, Andrey.**

A movable trigger; fossil fuel CO<sup>2</sup> and the onset of the next glaciation: **Geochemistry, Geophysics, Geosystems - G<sup>3</sup>**, 6(5), 7 p., illus., 37 ref., May 5, 2005. WWW. Accessed on July 11, 2005.

**59004077**

**Ikavalko, Johanna (Finnish Institute of Marine Research, Helsinki, Finland).**

Checklist of unicellular and invertebrate organisms within and closely associated with sea ice in the Arctic regions: **Meri**, Rep. No. 52, 41 p., illus. incl. 3 tables, 90 ref., 2004. ISBN: 951-53-2672-9.

**59004078**

**Martin, H. L. (NASA, Marshall Space Flight Center, Huntsville, AL); Miller, P. C.; Imgram, A. G. and Campbell, J. E.**

Effects of low temperatures on the mechanical properties of structural metals; revised and enlarged edition: Rep. No. NASA SP-5012(01), 65 p., illus. incl. 6 tables, 10 ref., 1968. *Available from:* National Aeronautics and Space Administration, Office of Technology Utilization, Washington, DC, United States. Includes appendix.

**59004079**

**Hahti, Hannu, editor (Finnish Institute of Marine Research, Helsinki, Finland); Kangas, Pentti, editor; Alenius, Pekka; Antsulevich, Alexander; Basova, Svetlana; Berezina, Nadya; Bogdanov, D. V.; Bruun, Jan-Erik; Fleming, Vivi; Haapasaari, Heli; Kaitala, Seppo; Kauppila, Pirkko; Kiirikki, Mikko; Laine, Ari; Leivouri, Mirja; Mannio, Jaakko; Maximov, Alexey; Ojaveer, Henn; Panov, Vadim; Peltonen, Heikki; Pitkanen, Heikki; Popov, A. N.; Ponni, Jukka; Raateoja, Mika; Rantajarvi, Eija; Ryttonen, Jorma; Shurukhin, Alexander S.; Vepsalainen, Jenni and Valipakka, Pentti.**

State of the Gulf of Finland in 2003: *Meri*, Rep. No. 51, 20 p., illus. incl. sketch maps, 7 ref., 2004. ISBN: 951-53-2661-3.

**59004093**

**Shuckstes, Andrew Vincent.**

Recent marine ostracodes of the Chilean fjord region and their application to interpreting Holocene paleoenvironments: 159 p., illus. incl. 24 tables, 6 plates, 142 ref., Master's, 1995, Ohio State University, Columbus, OH. Includes appendices.

**59004116**

**Ford, Glenn (Environment Yukon, Whitehorse, YT, Canada) and Janowicz, Richard.**

Yukon snow survey bulletin & water supply forecast; March 1, 2005: **Yukon Snow Survey Bulletin & Water Supply Forecast**, Rep. No. MARCH 2005, 26 p., illus. incl. sketch map, March 1, 2005.

**59004117**

**Kejna, Marek (Instytut Geografii Uniwersytetu Mikołaja Kopernika, Zakład Klimatologii, Torun, Poland).**

Amplituda dobowa temperatury powietrza na Antarktydzie [Diurnal air temperature range on Antarctica]: **Problemy Klimatologii Polarnej**, 14, p. 7-18 (English sum.), illus. incl. 3 tables, sketch map, 31 ref., 2004.

**59004118**

**Lipowska, Sabina (Uniwersytet Łódzki, Katedra Meteorologii i Klimatologii, Lodz, Poland).**

Zmienność przestrzenna występowania zim bezjadrowych na Antarktydzie w latach 1990-1999 [Spatial variability in the occurrence of the coreless winters on Antarctica in the years 1990-1999]: **Problemy Klimatologii Polarnej**, 14, p. 19-28 (English sum.), illus. incl. 2 tables, sketch map, 9 ref., 2004.

**59004119**

**Zblewski, Sławomir (Katedra Meteorologii i Oceanografii Nautycznej, Wydział Nawigacyjny, Gdynia, Poland).**

Zmiany temperatury wody na pradzie zachodniogrenlandzkim w okresie 1982-2002 [Changes in water temperature of the West Greenland Current over the period 1982-2002]: **Problemy Klimatologii Polarnej**, 14, p. 29-37 (English sum.), illus. incl. 3 tables, sketch map, 6 ref., 2004.

**59004120**

**Styszynska, Anna (Akademia Morska, Katedra Meteorologii i Oceanografii Nautycznej, Gdynia, Poland).**

Stan termiczny Atlantyku północnego a zlodzenie mórz Barentsa i Grenlandzkiego (1972-1994) [The thermal condition of the North Atlantic and ice cover of the Barents and Greenland Seas; 1972-1994]: **Problemy Klimatologii Polarnej**, 14, p. 39-57 (English sum.), illus. incl. 2 tables, 25 ref., 2004.

**59004121**

**Niedzwiedz, Tadeusz (Uniwersytet Śląski, Katedra Klimatologii, Sosnowiec, Poland).**

Rola cyrkulacji atmosfery w kształtowaniu temperatury powietrza w styczniu na Spitsbergenie [Role of atmospheric circulation on the January temperature variability in Spitsbergen]: **Problemy Klimatologii Polarnej**, 14, p. 59-68 (English sum.), illus. incl. 1 table, 17 ref., 2004.

**59004122**

**Styszynska, Anna (Akademia Morska, Katedra Meteorologii i Oceanografii Nautycznej, Gdynia, Poland).**

Wpływ zmian temperatury wody na pradzie norweskim na kształtowanie rocznej temperatury powietrza w Atlantyckiej Arktyce i notowane tam ocieplenie w okresie ostatniego 20-Lecia [The influence of changes in water temperature in the Norwegian Current on annual air temperature in the Atlantic part of the Arctic and its warming noted over the past 20-year period]: **Problemy Klimatologii Polarnej**, 14, p. 69-78 (English sum.), illus. incl. 3 tables, sketch map, 22 ref., 2004.

**59004123**

**Kruszewski, Grzegorz (Akademia Morska, Katedra Meteorologii i Oceanografii Nautycznej, Gdynia, Poland).**

Zmienność temperatury powierzchni morza w rejonie Spitsbergen (1982-2002) jako przejaw współczesnie zachodzących zmian klimatycznych [Changeability in sea surface temperature in the region of Spitsbergen (1982-2002) reflecting climatic changes observed at present]: **Problemy Klimatologii Polarnej**, 14, p. 79-86 (English sum.), illus. incl. sketch map, 13 ref., 2004.

**59004124**

**Rehak, Josef (Fa Rehak-SPELEO, Ceska Speleologicka Spolecnost, Czech Republic);  
Rehak, Josef, Jr. and Rehak, Stanislav.**

Cofanie się czoł lodowych zachodniego i wschodniego lodowca Torella (SW Spitsbergen) [The recession of Vestre and Austre Torellbreen ice cliffs, SW Spitsbergen]: **Problemy Klimatologii Polarnej**, 14, p. 87-94 (English sum.), illus. incl. 2 tables, sketch map, 9 ref., 2004.

**59004125**

**Sobota, Ireneusz (Instytut Geografii UMK, Zakład Kriologii i Badan Polarnych, Torun, Poland).**

Wplyw warunków pogodowych na zmienność ablacji lodowców Waldemara i Ireney (NW Spitsbergen) w sezonie letnim 2003 roku [Influence of meteorological conditions on ablation of Waldemar Glacier and Irene Glacier (NW Spitsbergen) in the summer season of 2003]:

**Problemy Klimatologii Polarnej**, 14, p. 95-106 (English sum.), illus. incl. 1 table, sketch map, 9 ref., 2004.

**59004126**

**Grabiec, Mariusz (Uniwersytet Śląski, Katedra Geomorfologii, Sosnowiec, Poland).**

Związek krótkookresowych zmian miąższości pokrywy śnieżnej na lodowcu Aavatsmarka (NW Spitsbergen) z elementami meteorologicznymi wiosna 2001 i 2002 roku [The relations between short-term changes of the snow thickness on Aavatsmark Glacier (NW Spitsbergen) and meteorological parameters in spring seasons 2001 and 2002]: **Problemy Klimatologii Polarnej**, 14, p. 107-126 (English sum.), illus. incl. sketch map, 13 ref., 2004.

**59004127**

**Siwek, Krzysztof (Instytut Nauk o Ziemi UMCS, Zakład Meteorologii i Klimatologii, Lublin, Poland); Gluza, Andrzej and Bartoszewski, Stefan.**

Zróżnicowanie albedo lodowca Scotta (W Spitsbergen) [The "albedo" differentiation at Scott's Glacier, western Spitsbergen]: **Problemy Klimatologii Polarnej**, 14, p. 127-132 (English sum.), illus. incl. sketch maps, 15 ref., 2004.

**59004128**

**Przybylak, Rajmund (Uniwersytet Mikołaja Kopernika, Zakład Klimatologii, Torun, Poland) and Dzierzawski, Jacek.**

Stosunki termiczno-wilgotnościowe w Zatoce Treurenberg i na masywie olimp (NE Spitsbergen) w okresie 1.VIII.1899-15.VIII.1900 [Thermal and humidity relations in Treurenberg Bay and Massif Olimp (NE Spitsbergen) from 1st August 1899 to 15th August 1900]: **Problemy Klimatologii Polarnej**, 14, p. 133-147 (English sum.), illus. incl. 3 tables, sketch map, 24 ref., 2004.

**59004129**

**Malik, Paweł (Uniwersytet Gdański, Katedra Meteorologii i Klimatologii, Gdańsk, Poland).**

Kalendarz pogód dla Hornsundu podczas wyprawy żalozycielskiej 1957/1958 [Weather calendar for the Hornsund exploration expedition 1957/58]: **Problemy Klimatologii Polarnej**, 14, p. 149-156 (English sum.), illus. incl. 4 tables, 12 ref., 2004.

**59004130**

**Kwasniewska, Eliza (Uniwersytet Wrocławski, Zakład Meteorologii i Klimatologii, Wrocław, Poland) and Pereyma, Jerzy.**

Termiczne pory roku w Hornsundzie (SW Spitsbergen) [Thermal seasons in Hornsund, SW Spitsbergen]: **Problemy Klimatologii Polarnej**, 14, p. 157-169 (English sum.), illus. incl. 1 table, 9 ref., 2004.

**59004131**

**Owczarek, Malgorzata (Instytut Meteorologii i Gospodarki Wodnej, Gdynia, Poland).**

Odczuwalność cieplna w okresie zimowym w rejonie polskiej stacji polarnej w Hornsundzie w latach 1991-2000 [Thermal sensations in winter months over the Polish polar station, Hornsund area, 1991-2000]: **Problemy Klimatologii Polarnej**, 14, p. 171-182 (English sum.), illus. incl. 1 table, sketch map, 22 ref., 2004.

**59004132**

**Gluz, Andrzej (Instytut Nauk o Ziemi UMCS, Zakład Meteorologii i Klimatologii, Lublin, Poland); Siluch, Marcin and Siwek, Krzysztof.**

Porównanie wybranych elementów meteorologicznych w sezonie letnim między stacjami Hornsund i Calypsobyen (Spitsbergen) [Comparison of some selected meteorological elements of the summer season between the Hornsund and Calypsobyen stations, Spitsbergen]: **Problemy Klimatologii Polarnej**, 14, p. 183-188 (English sum.), illus. incl. 1 table, 8 ref., 2004.

**59004133**

**Budzik, Tomasz (Uniwersytet Śląski, Katedra Klimatologii, Sosnowiec, Poland).**

Struktura bilansu promieniowania słonecznego w Ny-Alesund (NW Spitsbergen) w latach 1989-2003 [Structure of solar radiation balance in Ny-Alesund (NW Spitsbergen), 1989-2003]: **Problemy Klimatologii Polarnej**, 14, p. 189-197 (English sum.), illus. incl. 5 tables, sketch maps, 9 ref., 2004.

**59004134**

**Decato, Stephen N. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Albert, Donald G.; Perron, Frank E., Jr. and Carbee, David L.**

Short-range seismic and acoustic signature measurements through forest: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-05-10, 127 p., illus. incl. 6 tables, May 2005. WWW. Includes 3 appendices.

[http://www.crrel.usace.army.mil/techpub/CRREL\\_Reports/reports/TR05-10.pdf](http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR05-10.pdf)

**59004138**

**Darling, Marie C. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).**

CRREL, NASA plan for the Moon, Mars: **Engineer Update**, 29(2), p. 3, illus., February 2005. CRREL Report No: ERDC/CRREL MP-05-6456

**59004139**

**Lyndes, Bruce E. (U. S. Army Cold Regions Research and Engineering Lab, Hanover, NH).**

Team mapping safe route to South Pole: **Engineer Update**, 29(2), p. 3, illus., February 2005.

CRREL Report No: ERDC/CRREL MP-05-6457

**59004147**

**Patterson, Larry R., editor.**

Plant and microbe adaptations to cold meeting—Adaptation au froid des plantes et des microorganismes: **Canadian Journal of Botany = Journal Canadien de Botanique**, 81(12), p. 1145-1301, (English, French), illus., December 2003. *Meeting*: May 25-29, 2003, Quebec City, PQ, Canada. Individual papers within scope are cited separately.

**59004148**

**Bertrand, Annick and Castonguay, Yves.**

Plant adaptations to overwintering stresses and implications of climate change: *in* Plant and microbe adaptations to cold meeting—Adaptation au froid des plantes et des microorganismes (Patterson, Larry R., editor), **Canadian Journal of Botany = Journal Canadien de Botanique**, 81(12), p. 1145-1152 (French sum.), December 2003. *Meeting*: May 25-29, 2003, Quebec City, PQ, Canada.

**59004149**

**Prévost, Danielle; Drouin, Pascal; Laberge, Serge; Bertrand, Annick; Cloutier, Jean and Levesque, Gabriel.**

Cold-adapted rhizobia for nitrogen fixation in temperate regions: *in* Plant and microbe adaptations to cold meeting—Adaptation au froid des plantes et des microorganismes (Patterson, Larry R., editor), **Canadian Journal of Botany = Journal Canadien de Botanique**, 81(12), p. 1153-1161 (French sum.), December 2003. *Meeting*: May 25-29, 2003, Quebec City, PQ, Canada.

**59004150**

**Crosatti, C.; Mare, C.; Mazzucotelli, E.; Belloni, S.; Barilli, S.; Bassi, R.; Dubcovskiy, J.; Galiba, G.; Stanca, A. M. and Cattivelli, L.**

Genetic analysis of the expression of the cold-regulated gene *cor14b*; a way toward the identification of components of the cold response signal transduction in Triticeae: *in* Plant and microbe adaptations to cold meeting—Adaptation au froid des plantes et des microorganismes (Patterson, Larry R., editor), **Canadian Journal of Botany = Journal Canadien de Botanique**, 81(12), p. 1162-1167 (French sum.), December 2003. *Meeting*: May 25-29, 2003, Quebec City, PQ, Canada.

**59004151**

**Zhu, Tong and Provar, Nicholas J.**

Transcriptional responses to low temperature and their regulation in Arabidopsis: *in* Plant and microbe adaptations to cold meeting—Adaptation au froid des plantes et des microorganismes (Patterson, Larry R., editor), **Canadian Journal of Botany = Journal Canadien de Botanique**, 81(12), p. 1168-1174 (French sum.), December 2003. *Meeting*: May 25-29, 2003, Quebec City, PQ, Canada.

**59004152**

**Hoshino, Tamotsu; Kiriaki, Michiko; Ohgiya, Satoru; Fujiwara, Mineko; Kondo, Hidemasa; Nishimiya, Yoshiyuki; Yumoto, Isao and Tsuda, Sakae.**

Antifreeze proteins from snow mold fungi: *in* Plant and microbe adaptations to cold meeting—Adaptation au froid des plantes et des microorganismes (Patterson, Larry R., editor), **Canadian Journal of Botany = Journal Canadien de Botanique**, 81(12), p. 1175-1181 (French sum.), December 2003. *Meeting*: May 25-29, 2003, Quebec City, PQ, Canada.

**59004153**

**Avice, J. C.; Le Dilly, F.; Goulas, E.; Noquet, C.; Meuriot, F.; Volenc, J. J.; Cunningham, S. M.; Sors, T. G.; Dhont, C.; Castonguay, Yves; Nadeau, P. H.; Bélanger, G.; Chalifour, F. P. and Ourry, A.**

Vegetative storage proteins in overwintering storage organs of forage legumes; roles and regulation: *in* Plant and microbe adaptations to cold meeting—Adaptation au froid des plantes et des microorganismes (Patterson, Larry R., editor), **Canadian Journal of Botany = Journal Canadien de Botanique**, 81(12), p. 1198-1212 (French sum.), December 2003. *Meeting*: May 25-29, 2003, Quebec City, PQ, Canada.

**59004154**

**Guy, Charles L.**

Freezing tolerance of plants; current understanding and selected emerging concepts: *in* Plant and microbe adaptations to cold meeting—Adaptation au froid des plantes et des microorganismes (Patterson, Larry R., editor), **Canadian Journal of Botany = Journal Canadien de Botanique**, 81(12), p. 1216-1223 (French sum.), December 2003. *Meeting*: May 25-29, 2003, Quebec City, PQ, Canada.

**59004155**

**Howe, Glenn T. (Oregon State University, Department of Forest Science, Corvallis, OR); Aitken, Sally N.; Neale, David B.; Jermstad, Kathleen D.; Wheeler, Nicholas C. and Chen, Tony H. H.**

From genotype to phenotype; unraveling the complexities of cold adaptation in forest trees1: *in* Plant and microbe adaptations to cold meeting—Adaptation au froid des plantes et des microorganismes (Patterson, Larry R., editor), **Canadian Journal of Botany = Journal Canadien de Botanique**, 81(12), p. 1247-1266 (French sum.), illus. incl. 4 tables, 164 ref., December 2003. *Meeting*: May 25-29, 2003, Quebec City, PQ, Canada.

**59004298**

**Morgan, Tina M. (U. S. Army Cold Regions Research and Engineering Laboratory, Information Technology Laboratory, Hanover, NH); Furman, Linnzi and White, Kathleen D.**

Ice jams, winter 2002-2003: **ERDC/CRREL Technical Note**, Rep. No. ERDC/CRREL TN-04-5, 8 p., illus. incl. sketch maps, 20 ref., July 2004. (Ice Engineering).

**59004388**

**Anonymous.**

Transportation Research Board, 84th annual meeting: **Annual Meeting - Transportation Research Board**, 84, variously paginated, illus., 2005. *Meeting*: Jan. 9-13, 2005, Washington, DC. Individual papers within scope are cited separately.

**59004389**

**Nixon, Wilfrid A. (University of Iowa, Department of Civil and Environmental Engineering, Iowa City, IA); Qiu, Ju; Qiu, Lin; Kochumman, George and Xiong, Jing.**

Ice melting performance for ice-control chemicals: *in* Transportation Research Board, 84th annual meeting, **Annual Meeting - Transportation Research Board**, 84, 21 p., illus. incl. 1 table, 9 ref., 2005. *Meeting*: Jan. 9-13, 2005, Washington, DC.

**59004390**

**Naji, Khoury N. (University of Oklahoma, School of Civil Engineering and Environmental Science, Norman, OK) and Zaman, Musharraf M.**

Flexural properties of stabilized-aggregate beams subjected to freeze-thaw cycles: *in* Transportation Research Board, 84th annual meeting, **Annual Meeting - Transportation Research Board**, 84, 24 p., illus. incl. 5 tables, 8 ref., 2005. *Meeting*: Jan. 9-13, 2005, Washington, DC.

**59004391**

**Al-Qadi, Imad L. (University of Illinois at Urbana-Champaign, Department of Civil and Environmental Engineering, Urbana, IL); Loulizi, Amara; Aref, Susanne; Masson, Jean-François and McGhee, Kevin M.**

Modification of bending beam rheometer specimen for low-temperature evaluation of bituminous crack sealants: *in* Transportation Research Board, 84th annual meeting, **Annual Meeting - Transportation Research Board**, 84, 26 p., illus. incl. 3 tables, 16 ref., 2005. *Meeting*: Jan. 9-13, 2005, Washington, DC.

**59004392**

**Quirion, Marco (665 Pine Avenue, St-Lambert, PQ, Canada).**

Fabry-Perot transducer for the monitoring of displacement at low-temperature: *in* Transportation Research Board, 84th annual meeting, **Annual Meeting - Transportation Research Board**, 84, unpaginated, illus. incl. 5 tables, 6 ref., 2005. *Meeting*: Jan. 9-13, 2005, Washington, DC.

**59004424**

**Strobel, Michael Lee.**

Characteristics affecting the vertical flow of ground water through selected glacial deposits in Ohio: 185 p., illus. incl. 14 tables, 74 ref., Master's, 1990, Ohio State University, Columbus, OH.

**59004428**

**Feenstra, B. H., compiler.**

Quaternary geology of the Markdale area; Markdale-Owen Sound, southern Ontario: **Map - Ontario Geological Survey**, Ontario Geological Survey, Toronto, ON, Canada, Rep. No. P-3251, 1 sheet, geologic maps, 1:50,000, 1994. (Quaternary Geology, Preliminary Map Series of Ontario).

**59004429**

**Desor, Edouard.**

On the relations which exist between the phenomena of erratic blocks in Northern Europe and the elevations of Scandinavia: **American Journal of Science and Arts**, 3(3), p. 313-318, 1847.

**59004430**

**Dewey, Chester.**

Crystals of snow: **American Journal of Science and Arts**, 3(2), p. 367, 1821.

**59004431**

**Veverka, Joseph (Cornell University, Department of Astronomy and CRSR, Ithaca, NY); Thomas, Peter C.; Harch, Ann; Clark, Beth E.; Bell, James F., III; Carcich, B.; Joseph, J.; Murchie, Scott L.; Izenberg, Noam; Chapman, Clark R.; Merline, William J.; Malin, M.; McFadden, L. A. and Robinson, Mark S.**

NEAR encounter with Asteroid 253 Mathilde; overview: *in* NEAR at Mathilde (Cheng, Andrew F., editor), **Icarus**, 140(1), p. 3-16, illus. incl. 7 tables, 35 ref., July 1, 1999.

**59004432**

**Ma Wei (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Wu Ziwang and Chang Xiaoxiao.**

Effects of the consolidation process on the stress-strain characteristics of tjaeles: **Yantu Lixue = Rock and Soil Mechanics**, 21(3), p. 198-200, 221, (Chinese) (English sum.), illus. incl. 1 table, 8 ref., 2000.

**59004433**

**Adams, Charles Baker.**

Notice of an example of apparent drift furrows dependent on structure: **American Journal of Science**, 3, p. 433-434, 1847. (Series 2).

**59004434**

**Rehfeldt, Gerald E. (U. S. Department of Agriculture, Rocky Mountain Research Station, Moscow, ID); Wykoff, William R. and Ying, Cheng C.**

Physiologic plasticity, evolution, and impacts of a changing climate on *Pinus contorta*: **Climatic Change**, 50(3), p. 355-376, illus. incl. 1 table, sketch map, 42 ref., August 2001.

**59004435**

**Gilpin, L. C. (Napier University, School of Life Sciences, Edinburgh, United Kingdom); Priddle, J.; Whitehouse, M. J.; Savidge, G. and Atkinson, A.**

Primary production and carbon uptake dynamics in the vicinity of South Georgia; balancing carbon fixation and removal: **Marine Ecology. Progress Series (Halstenbek)**, 242, p. 51-62, illus. incl. block diags., 3 tables, sketch map, 68 ref., October 25, 2002.

<http://www.int-res.com/abstracts/meps/v242/p51-62.html>

**59004436**

**Boyd, I. L. (British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom); Staniland, I. J. and Martin, A. R.**

Distribution of foraging by female Antarctic fur seals: **Marine Ecology. Progress Series (Halstenbek)**, 242, p. 285-294, illus. incl. 3 tables, sketch maps, 41 ref., October 25, 2002.

<http://www.int-res.com/abstracts/meps/v242/p285-294.html>

**59004437**

**Gowing, Marcia M. (University of California at Santa Cruz, Institute of Marine Sciences, Santa Cruz, CA); Riggs, Blake E.; Garrison, David L.; Gibson, Angela H. and Jeffries, Martin O.**

Large viruses in Ross Sea late autumn pack ice habitats: **Marine Ecology. Progress Series (Halstenbek)**, 241, p. 1-11, illus. incl. 3 tables, sketch map, 56 ref., 2002.

<http://www.int-res.com/abstracts/meps/v241/pl-11.html>

**59004438**

**Stoock, Thorsten (Senckenberg Institute, Department of Marine Biology, Wilhelmshaven, Federal Republic of Germany); Kröncke, Ingrid; Duineveld, Gerard C. A. and Palojarvi, Ansa.**

Phospholipid fatty acid profiles at depositional and non-depositional sites in the North Sea: **Marine Ecology. Progress Series (Halstenbek)**, 241, p. 57-70, illus. incl. 5 tables, sketch map, 78 ref., 2002. <http://www.int-res.com/abstracts/meps/v241/p57-70.html>.

**59004439**

**Dahdah, Nagib S. (Case Western Reserve University, Department of Pediatrics, Cleveland, OH); Russo, Pierantonio and Wagerle, L. Craig.**

Phosphorylation in coronary artery cold-induced contraction in the newborn lamb: **Cryobiology (Print)**, 42(1), p. 40-48, illus., 27 ref., February 2001.

**59004440**

**Hoffmann, Nathan E. (University of Minnesota, Department of Biomedical Engineering, Minneapolis, MN); Coad, James E.; Huot, Christopher S.; Swanlund, David J. and Bischof, John C.**

Investigation of the mechanism and the effect of cryoimmunology in the Copenhagen rat: **Cryobiology (Print)**, 42(1), p. 59-68, illus. incl. 1 table, 27 ref., February 2001.

**59004441**

**Garcia, Simone L. (State University of Campinas, Department of Cell Biology, Campinas, Brazil); Garcia, Nancy L.; Rodrigues, Vera L. C. C. and Mello, Maria Luiza S.**

Effect of sequential cold shocks on survival and molting incidence in *Panstrongylus megistus* (Burmeister) (Hemiptera, Reduviidae): **Cryobiology (Print)**, 42(1), p. 74-77, 2 tables, 12 ref., February 2001.

**59004442**

**Yang, Daqing (University of Alaska Fairbanks, Water and Environment Research Center, Fairbanks, AK); Ye Baisheng and Kane, Douglas L.**

Streamflow changes over Siberian Yenisei River basin: **Journal of Hydrology**, 296(1-4), p. 59-80, illus. incl. 2 tables, sketch map, 40 ref., August 20, 2004.

**59004443**

**Hayashi, Masaki (University of Calgary, Department of Geology and Geophysics, Calgary, AB, Canada); Quinton, William L.; Pietroniro, Alain and Gibson, John J.**

Hydrologic functions of wetlands in a discontinuous permafrost basin indicated by isotopic and chemical signatures: **Journal of Hydrology**, 296(1-4), p. 81-97, illus. incl. 2 tables, sketch maps, 56 ref., August 20, 2004.

**59004444**

**Shaban, Amin (National Center for Remote Sensing, Lebanese National Council for Scientific Research, Beirut, Lebanon); Faour, Ghaleb; Khawlie, Mohamed and Abdallah, Chadi.**

Remote sensing application to estimate the volume of water in the form of snow on Mount Lebanon: **Hydrological Sciences Journal = Journal des Sciences Hydrologiques**, 49(4), p. 643-653 (French sum.), illus. incl. 1 table, 12 ref., August 2004.

**59004445**

**Ovchinnikov, D. V.**

Rekonstruktsiia balansa lednika Malyy Aktru, Altai, po dannym densitometrii godichnykh kolets [Balance reconstruction for the Malyy Aktru Glacier in Altai using tree ring data]: **Izvestiia Russkogo Geograficheskogo Obschestva**, 136(1), p. 37-45, illus. incl. 3 tables, 14 ref., February 2004.

**59004446**

**Gavrilova, M. K.; Fedorova, E. N. and Lazebnik, O. A.**

K voprosu o granitse severa Rossii i ego zonirovaniu [Boundary and zoning of the Russian North]: **Izvestiia Russkogo Geograficheskogo Obshchestva**, 136(1), p. 63-69, sketch map, 11 ref., February 2004.

**59004447**

**Piotrowicz, Katarzyna (Uniwersytet Jagiellonski, Instytut Geografii i Gospadarki Przestrzennej, Cracow, Poland).**

Warunki termiczne zim w Krakowie w Latach 1792-2002 [Thermal conditions of winters in Cracow in the period 1792-2002]: **Folia Geographica, Series Geographica-Physica**, 33-34, p. 67-88 (English sum.), illus. incl. 6 tables, 19 ref., 2003.

**59004448**

**Twardosz, Robert (Uniwersytet Jagiellonski, Instytut Geografii i Gospadarki Przestrzennej, Cracow, Poland).**

Zmienosc opadów sniegu na pogórzcu Wielickim w latach 1971-2000 [Snowfall variability in the Wieliczka Foothills in 1971-2000]: **Folia Geographica, Series Geographica-Physica**, 33-34, p. 105-115, illus., 13 ref., 2003.

**59004449**

**Bogdan, Octavia (Romanian Academy, Institute of Geography, Bucharest, Romania) and Dragota, Carmen.**

Risks of frost occurrence in Romania: **Proceedings of the Romanian Academy. Series B, Chemistry, Life Sciences and Geosciences**, 2(2), p. 147-153, illus. incl. 1 table, sketch map, 10 ref., August 2000.

**59004450**

**Kang Jiancheng (Polar Research Institute of China, Shanghai, China); Liu Leibao; Qin Dahe; Wang Dali; Wen Jiahong; Tan Dejun; Li Zhongqin; Li, Jun and Zhang Xiaowei.**

Geochemical characteristics and zones of surface snow on East Antarctic ice sheet: **Chinese Science Bulletin**, 49(20), p. 2205-2211, illus., 26 ref., October 2004.

**59004451**

**Bertrand, Cédric (Royal Meteorological Institute of Belgium, Brussels, Belgium); Clerbaux, Nicolas; Ipe, Alessandro; Dewitte, Steven and Gonzalez, Luis.**

Angular distribution models, anisotropic correction factors, and mixed clear-scene types; a sensitivity study: **IEEE Transactions on Geoscience and Remote Sensing**, 43(1), p. 92-102, illus. incl. 4 tables, 23 ref., January 2005.

**59004452**

**Cromer, Louise (University of Tasmania, School of Zoology, Hobart, Tasmania, Australia); Gibson, John A. E.; Swadling, Kerrie M. and Ritz, David A.**

Faunal microfossils; indicators of Holocene ecological change in a saline Antarctic lake: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 221(1-2), p. 83-97, illus. incl. 1 table, sketch map, 59 ref., May 27, 2005. Includes appendix.

**59004453**

**Balch, Deborah P. (University of Arizona, Department of Geosciences, Tucson, AZ); Cohen, Andrew S.; Schnurrenberger, Douglas W.; Haskell, Brian J.; Valero Garcés, Blas L.; Beck, J. Warren; Cheng, Hai and Edwards, R. Lawrence.**

Ecosystem and paleohydrological response to Quaternary climate change in the Bonneville Basin, Utah: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 221(1-2), p. 99-122, illus. incl. strat. col., 3 tables, sketch map, 64 ref., May 27, 2005.

**59004454**

**Benthien, Albert (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany); Andersen, Nils; Schulte, Sonja; Müller, Peter J.; Schneider, Ralph R. and Wefer, Gerold.**

The carbon isotopic record of the C<sub>37:2</sub> alkenone in the South Atlantic; last glacial maximum (LGM) vs. Holocene: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 221(1-2), p. 123-140, 2 tables, sketch maps, 109 ref., May 27, 2005.

**59004455**

**Balsam, William (University of Texas at Arlington, Department of Earth and Environmental Science, Arlington, TX); Ellwood, Brooks and Ji Junfeng.**

Direct correlation of the marine oxygen isotope record with the Chinese Loess Plateau iron oxide and magnetic susceptibility records: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 221(1-2), p. 141-152, illus. incl. sketch map, 32 ref., May 27, 2005.

**59004456**

**Rogalla, U. (Bundesanstalt für Geowissenschaften und Rohstoffe, Hanover, Federal Republic of Germany) and Andruleit, H.**

Precessional forcing of coccolithophore assemblages in the northern Arabian Sea; implications for monsoonal dynamics during the last 200,000 years: **Marine Geology**, 217(1-2), p. 31-48, illus. incl. sketch maps, 83 ref., May 30, 2005.

**59004457**

**Bahk, J. J. (Korea Institute of Geoscience and Mineral Resources, Petroleum and Marine Resources Division, Daejeon, South Korea); Lee, S. H.; Yoo, H. S.; Back, G. G. and Chough, S. K.**

Late Quaternary sedimentary processes and variations in bottom-current activity in the Ulleung interplain gap, East Sea (Korea): **Marine Geology**, 217(1-2), p. 119-142, illus. incl. sects., 1 table, geol. sketch map, 60 ref., May 30, 2005.

**59004458**

**Kuvaas, B. (University of Bergen, Department of Earth Science, Bergen, Norway); Kristoffersen, Y.; Guseva, J.; Leitchenkov, G.; Gandjukhin, V.; Lovas, O.; Sand, M. and Brekke, H.**

Interplay of turbidite and contourite deposition along the Cosmonaut Sea/Enderby Land margin, East Antarctica: **Marine Geology**, 217(1-2), p. 143-159, illus. incl. sects., 1 table, sketch maps, 30 ref., May 30, 2005.

**59004459**

**Velichko, A. A.; Nechaev, V. P.; Wright, H. E., Jr.; Blyakharchuk, T. A. and Borisova, Olga K., editors.**

Cenozoic climatic and environmental changes in Russia: **Special Paper - Geological Society of America**, 382, 226 p., illus. incl. sketch maps, 800 ref., 2005. ISBN: 0-8137-2382-5. English translation of Russian monograph published in 1999; individual chapters are cited separately.

**59004460**

**Lavrushin, Yu. A. and Alekseev, M. N.**

The Arctic regions: *in* Cenozoic climatic and environmental changes in Russia (Velichko, A. A., editor; *et al.*), **Special Paper - Geological Society of America**, 382, p. 13-31, illus. incl. sects., strat. cols., sketch maps, 2005.

**59004461**

**Velichko, A. A.; Akhlestina, E. F.; Borisova, Olga K.; Gribchenko, Yu. N.; Zhidovinov, N. Ya.; Zelikson, Ella M.; Iosifova, Yu. I.; Klimanov, V. A.; Morosova, T. D.; Nechaev, V. P.; Pisareva, Valentina V.; Svetlitskaya, T. V.; Spasskaya, I. I.; Udartsev, V. P.; Faustova, M. A. and Shik, S. M.**

East European Plain: *in* Cenozoic climatic and environmental changes in Russia (Velichko, A. A., editor; *et al.*), **Special Paper - Geological Society of America**, 382, p. 31-66, illus. incl. charts, sects., strat. cols., sketch maps, 2005.

**59004462**

**Arkhipov, S. A.; Volkova, V. S.; Zolnikov, I. D.; Zykina, V. S.; Krukover, A. A. and Kul'kova, L. A.**

West Siberia: *in* Cenozoic climatic and environmental changes in Russia (Velichko, A. A., editor; *et al.*), **Special Paper - Geological Society of America**, 382, p. 67-88, illus. incl. chart, sects., sketch maps, 2005.

**59004463**

**Fradkina, A. F.; Alekseev, M. N.; Andreev, A. A. and Klimanov, V. A.**

East Siberia (based on data obtained mainly in central Yakutia): *in* Cenozoic climatic and environmental changes in Russia (Velichko, A. A., editor; *et al.*), **Special Paper - Geological Society of America**, 382, p. 89-103, sects., 2005.

**59004464**

**Fradkina, A. F.; Grinenko, O. V.; Laukhin, S. A.; Nechaev, V. P.; Andreev, A. A. and Klimanov, V. A.**

Northeastern Asia: *in* Cenozoic climatic and environmental changes in Russia (Velichko, A. A., editor; *et al.*), **Special Paper - Geological Society of America**, 382, p. 105-120, illus. incl. sects., sketch maps, 2005.

**59004465**

**Korotky, A. M.; Volkov, V. G.; Grebennikova, T. A.; Razzhigaeva, N. G.; Pushkar, V. S.; Ganzei, L. A. and Mokhova, L. M.**

Far East: *in* Cenozoic climatic and environmental changes in Russia (Velichko, A. A., editor; *et al.*), **Special Paper - Geological Society of America**, 382, p. 121-137, illus. incl. sects., sketch maps, 2005.

**59004466**

**Akhmetyev, M. A.; Dodoniv, A. E.; Somikova, M. V.; Spasskaya, I. I.; Kremenetsky, K. V. and Klimanov, V. A.**

Kazakhstan and Central Asia (plains and foothills): *in* Cenozoic climatic and environmental changes in Russia (Velichko, A. A., editor; *et al.*), **Special Paper - Geological Society of America**, 382, p. 139-161, illus. incl. sects., sketch maps, 2005.

**59004467**

**Blyum, N. S.; Nikolaev, S. D.; Oskina, N. S. and Bubentsova, N. V.**

The North Atlantic and North Pacific Oceans: *in* Cenozoic climatic and environmental changes in Russia (Velichko, A. A., editor; *et al.*), **Special Paper - Geological Society of America**, 382, p. 163-188, illus. incl. 1 table, sketch maps, 2005.

**59004468**

**Velichko, A. A.**

General features of the landscape and climate of northern Eurasia in the Cenozoic: *in* Cenozoic climatic and environmental changes in Russia (Velichko, A. A., editor; *et al.*), **Special Paper - Geological Society of America**, 382, p. 189-201, sketch maps, 2005.

**59004469**

**Lehmkuhl, Frank (RWTH Aachen, Department of Geography, Aachen, Federal Republic of Germany) and Owen, Lewis A.**

Late Quaternary glaciation of Tibet and the bordering mountains; a review: **Boreas**, 34(2), p. 87-100, illus. incl. sketch maps, 144 ref., May 2005.

**59004470**

**Dreimanis, Aleksis (University of Western Ontario, Department of Earth Sciences, London, ON, Canada) and Gibbard, Philip.**

Stratigraphy and sedimentation of the stratotype sections of the Catfish Creek Drift Formation between Bradtville and Plum Point, north shore, Lake Erie, southwestern Ontario, Canada: **Boreas**, 34(2), p. 101-122, illus. incl. sects., 3 tables, sketch maps, 55 ref., May 2005.

**59004471**

**Davies, Siwan M. (University of Wales, Department of Geography, Swansea, United Kingdom); Hoek, Wim Z.; Bohncke, Sjoerd J. P.; Lowe, J. John; O'Donnell, Sean Pyne and Turney, Chris S. M.**

Detection of lateglacial distal tephra layers in the Netherlands: **Boreas**, 34(2), p. 123-135, illus. incl. 2 tables, sketch maps, 79 ref., May 2005.

**59004472**

**Pilcher, Jon (Queen's University, School of Archaeology and Palaeoecology, Belfast, United Kingdom); Bradley, Raymond S.; Francus, Pierre and Anderson, Lesleigh.**

A Holocene tephra record from the Lofoten Islands, Arctic Norway: **Boreas**, 34(2), p. 136-156, illus. incl. sketch map, 45 ref., May 2005. Includes appendix.

**59004473**

**Kovanen, Dori J. (University of British Columbia, Department of Geography, Vancouver, BC, Canada) and Slaymaker, Olav.**

Fluctuations of the Deming Glacier and theoretical equilibrium line altitudes during the late Pleistocene and early Holocene on Mount Baker, Washington, USA: **Boreas**, 34(2), p. 157-175, illus. incl. 3 tables, sketch maps, 67 ref., May 2005.

**59004474**

**Winguth, Cornelia (University of Wisconsin, Department of Geology and Geophysics, Madison, WI); Mickelson, David M.; Larsen, Eiliv; Darter, Jessica R.; Moeller, Carolyn A. and Stalsberg, Knut.**

Thickness evolution of the Scandinavian ice sheet during the late Weichselian in Nordfjord, western Norway; evidence from ice-flow modeling: **Boreas**, 34(2), p. 176-185, illus. incl. 2 tables, sketch map, 68 ref., May 2005.

**59004475**

**Rinterknecht, Vincent R. (Oregon State University, Department of Geosciences, Corvallis, OR); Marks, Leszek; Piotrowski, Jan A.; Raisbeck, Grant M.; Yiou, Françoise; Brook, Edward J. and Clark, Peter U.**

Cosmogenic <sup>10</sup>Be ages on the Pomeranian Moraine, Poland: **Boreas**, 34(2), p. 186-191, illus. incl. 1 table, sketch map, 31 ref., May 2005. Lamont-Doherty Earth Obs., Contrib. No. 6715.

**59004476**

**Heinrichs, Markus L. (Climate Impacts Research Centre, Abisko, Sweden); Peglar, Sylvia M.; Bigler, Christian and Birks, H. John B.**

A multi-proxy palaeoecological study of Alanen Laanijarvi, a boreal-forest lake in Swedish Lapland: **Boreas**, 34(2), p. 192-206, sects., 1 table, sketch map, 106 ref., May 2005.

**59004477**

**Velichko, Andrei A. (Russian Academy of Sciences, Department of Evolutionary Geography, Moscow, Russian Federation); Novenko, Elena Y.; Pisareva, Valentina V.; Zelikson, Ella M.; Boettger, Tatjana and Junge, Frank W.**

Vegetation and climate changes during the Eemian interglacial in Central and Eastern Europe; comparative analysis of pollen data: **Boreas**, 34(2), p. 207-219, illus. incl. sects., 1 table, sketch maps, 44 ref., May 2005.

**59004478**

**Böhner, Jürgen (Georg-August-University Göttingen, Department of Geography, Göttingen, Federal Republic of Germany) and Lehmkuhl, Frank.**

Environmental change modelling for central and high Asia; Pleistocene, present and future scenarios: **Boreas**, 34(2), p. 220-231, 1 table, sketch maps, 64 ref., May 2005. IGCP Project No. 415.

**59004479**

**Raia, P. (Universita degli Studi del Molise, Dipartimento di Scienze dell'Ambiente e del Territorio, Isernia, Italy); Piras, P. and Kotsakis, T.**

Turnover pulse or Red Queen? Evidence from the large mammal communities during the Plio-Pleistocene of Italy: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 221(3-4), p. 293-312, illus. incl. 3 tables, 125 ref., June 9, 2005. Includes appendix.

**59004480**

**Nederbragt, Alexandra J. (University College London, Department of Geological Sciences, London, United Kingdom) and Thurow, Jürgen.**

Geographic coherence of millennial-scale climate cycles during the Holocene: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 221(3-4), p. 313-324, illus. incl. sketch map, 42 ref., June 9, 2005.

**59004481**

**Oberhänsli, Hedi (GeoForschungsZentrum Potsdam, Potsdam, Federal Republic of Germany) and Mackay, Anson W., editors.**

Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal: **Global and Planetary Change**, 46(1-4), p. 1-379, illus. incl. tables, sketch maps, April 2005. Individual papers are cited separately.

**59004482**

**Oberhänsli, Hedi (GeoForschungsZentrum Potsdam, Potsdam, Federal Republic of Germany) and Mackay, Anson W.**

Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal; introduction: *in* Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal (Oberhänsli, Hedi, editor; *et al.*), **Global and Planetary Change**, 46(1-4), p. 1-7, 40 ref., April 2005.

**59004483**

**Straskrabova, V. (Czech Academy of Sciences, Hydrobiological Institute, Ceske Budejovice, Czech Republic); Izmet'yeva, L. R.; Maksimova, E. A.; Fietz, Susanna; Nedoma, J.; Borovec, J.; Kobanova, G. I.; Shchetinina, E. V. and Pislegina, E. V.**

Primary production and microbial activity in the euphotic zone of Lake Baikal (southern basin) during late winter: *in* Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal (Oberhänsli, Hedi, editor; *et al.*), **Global and Planetary Change**, 46(1-4), p. 57-73, illus. incl. 4 tables, 49 ref., April 2005.

**59004484**

**Demory, François (GeoForschungsZentrum Potsdam, Potsdam, Federal Republic of Germany); Nowaczyk, Norbert R.; Witt, Annette and Oberhänsli, Hedi.**

High-resolution magnetostratigraphy of late Quaternary sediments from Lake Baikal, Siberia; timing of intracontinental paleoclimatic responses: *in* Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal (Oberhänsli, Hedi, editor; *et al.*), **Global and Planetary Change**, 46(1-4), p. 167-186, illus. incl. 2 tables, sketch maps, 47 ref., April 2005.

**59004485**

**Granoszewski, Wojciech (Polish Geological Institute, Carpathian Branch, Cracow, Poland); Demske, Dieter; Nita, Malgorzata; Heumann, Georg and Andreev, A. A.**

Vegetation and climate variability during the last interglacial evidenced in the pollen record from Lake Baikal: *in* Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal (Oberhänsli, Hedi, editor; *et al.*), **Global and Planetary Change**, 46(1-4), p. 187-198, illus. incl. sketch map, 38 ref., April 2005.

**59004486**

**Rioual, Patrick (Chinese Academy of Sciences, Geology and Geophysics Institute, Beijing, China) and Mackay, Anson W.**

A diatom record of centennial resolution for the Kazantsevo interglacial stage in Lake Baikal (Siberia): *in* Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal (Oberhänsli, Hedi, editor; *et al.*), **Global and Planetary Change**, 46(1-4), p. 199-219, illus. incl. sketch map, 76 ref., April 2005.

**59004487**

**Morley, David W. (University College London, Environmental Change Research Centre, London, United Kingdom); Leng, Melanie J.; Mackay, Anson W. and Sloane, Hilary J.**

Late glacial and Holocene environmental change in the Lake Baikal region documented by oxygen isotopes from diatom silica: *in* Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal (Oberhänsli, Hedi, editor; *et al.*), **Global and Planetary Change**, 46(1-4), p. 221-233, illus. incl. 3 tables, sketch map, 59 ref., April 2005.

**59004488**

**Swann, George E. A. (University College London, Environmental Change Research Centre, London, United Kingdom); Mackay, Anson W.; Leng, Melanie J. and Demory, François.**

Climatic change in Central Asia during MIS 3/2; a case study using biological responses from Lake Baikal: *in* Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal (Oberhänsli, Hedi, editor; *et al.*), **Global and Planetary Change**, 46(1-4), p. 235-253, illus. incl. 1 table, sketch map, 81 ref., April 2005.

**59004489**

**Demske, Dieter (Free University of Berlin, Department of Geological Sciences, Berlin, Federal Republic of Germany); Heumann, Georg; Granoszewski, Wojciech; Nita, Malgorzata; Mamakowa, Kazimiera; Tarasov, Pavel E. and Oberhänsli, Hedi.**

Late glacial and Holocene vegetation and regional climate variability evidenced in high-resolution pollen records from Lake Baikal: *in* Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal (Oberhänsli, Hedi, editor; *et al.*), **Global and Planetary Change**, 46(1-4), p. 255-279, illus. incl. 4 tables, sketch map, 68 ref., April 2005.

**59004490**

**Mackay, Anson W. (University College London, Environmental Change Research Centre, London, United Kingdom); Ryves, D. B.; Battarbee, Richard W.; Flower, R. J.; Jewson, D. H.; Rioual, P. and Sturm, Michael.**

1000 years of climate variability in Central Asia; assessing the evidence using Lake Baikal (Russia) diatom assemblages and the application of a diatom-inferred model of snow cover on the lake: *in* Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal (Oberhänsli, Hedi, editor; *et al.*), **Global and Planetary Change**, 46(1-4), p. 281-297, illus. incl. 3 tables, sketch map, 64 ref., April 2005.

**59004491**

**Mischke, Steffen (Freie Universität Berlin, Interdisciplinary Centre for Ecosystem Dynamics in Central Asia, Berlin, Federal Republic of Germany); Herzsuh, Ulrike; Zhang Chengjun; Bloemendal, J. and Riedel, Frank.**

A late Quaternary lake record from the Qilian Mountains (NW China); lake level and salinity changes inferred from sediment properties and ostracod assemblages: *in* Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal (Oberhänsli, Hedi, editor; *et al.*), **Global and Planetary Change**, 46(1-4), p. 337-359, illus. incl. 8 tables, sketch maps, 74 ref., April 2005.

**59004492**

**Herzsuh, Ulrike (University of Bergen, Department of Botany, Bergen, Norway); Zhang Chengjun; Mischke, Steffen; Herzsuh, Rainer; Mohammadi, Farhid; Mingram, Birgit; Kürschner, Harald and Riedel, Frank.**

A late Quaternary lake record from the Qilian Mountains (NW China); evolution of the primary production and the water depth reconstructed from macrofossil, pollen, biomarker, and isotope data: *in* Progress towards reconstructing past climate in central Eurasia, with special emphasis on Lake Baikal (Oberhänsli, Hedi, editor; *et al.*), **Global and Planetary Change**, 46(1-4), p. 361-379, illus. incl. 3 tables, sketch map, 94 ref., April 2005.

**59004493**

**Walsh, Michael R.**

Field sampling tools for explosives residues developed at CRREL: **ERDC/CRREL Technical Note**, Rep. No. ERDC/CRREL-TN-04-1, 21 p., illus., April 2004. *Available from:* National Technical Information Service, (703)605-6900, order number ADA430641NEG, Springfield, VA, United States.

**59004498**

**Wu Qingbai (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China) and Liu Yongzhi.**

Ground temperature monitoring and its recent change in Qinghai-Tibet Plateau: **Cold Regions Science and Technology**, 38(2-3), p. 85-92, illus. incl. 1 table, 12 ref., April 2004.

**59004499**

**Kozłowski, Tomasz (Kielce University of Technology, Department of Geotechnics, Kielce, Poland).**

Soil freezing point as obtained on melting: **Cold Regions Science and Technology**, 38(2-3), p. 93-101, illus. incl. 6 tables, 15 ref., April 2004.

**59004500**

**Gjosteen, Janne K. O. (Norwegian University of Science and Technology, Department of Structural Engineering, Trondheim, Norway) and Loset, Sveinung.**

Laboratory experiments on oil spreading in broken ice: **Cold Regions Science and Technology**, 38(2-3), p. 103-116, illus. incl. 3 tables, 14 ref., April 2004.

**59004501**

**Gjosteen, Janne K. O. (Norwegian University of Science and Technology, Department of Structural Engineering, Trondheim, Norway).**

A model for oil spreading in cold waters: **Cold Regions Science and Technology**, 38(2-3), p. 117-125, illus., 20 ref., April 2004.

**59004502**

**Chen, T. C. (Shenzhen Energy Group Company, Pumped Storage Power Station Preparatory Department, Shenzhen, China); Yeung, M. R. and Mori, N.**

Effect of water saturation on deterioration of welded tuff due to freeze-thaw action: **Cold Regions Science and Technology**, 38(2-3), p. 127-136, illus. incl. 2 tables, 20 ref., April 2004.

**59004503**

**Hermansson, Ake (Swedish National Road and Transport Research Institute, Highway Engineering, Linkoping, Sweden).**

Laboratory and field testing on rate of frost heave versus heat extraction: **Cold Regions Science and Technology**, 38(2-3), p. 137-151, illus. incl. 2 tables, 18 ref., April 2004.

**59004504**

**Kim, Geonha (Hannam University, Department of Civil and Environmental Engineering, Daejon, South Korea).**

Hydraulic conductivity change of bio-barrier formed in the subsurface by the adverse conditions including freeze-thaw cycles: **Cold Regions Science and Technology**, 38(2-3), p. 153-164, illus. incl. 1 table, 26 ref., April 2004.

**59004505**

**Lai Yuanming (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Wang Qiusheng; Niu Fujun and Zhang Kehua.**

Three-dimensional nonlinear analysis for temperature characteristic of ventilated embankment in permafrost regions: **Cold Regions Science and Technology**, 38(2-3), p. 165-184, illus. incl. 1 table, 11 ref., April 2004.

**59004506**

**Timco, Garry W. (National Research Council of Canada, Canadian Hydraulics Centre, Ottawa, ON, Canada) and Johnston, Michelle.**

Ice loads on the caisson structures in the Canadian Beaufort Sea: **Cold Regions Science and Technology**, 38(2-3), p. 185-209, illus. incl. 6 tables, 28 ref., April 2004.

**59004507**

**Marion, G. M. (Desert Research Institute, Reno, NV) and Jakubowski, S. D.**

The compressibility of ice to 2.0 kbar: **Cold Regions Science and Technology**, 38(2-3), p. 211-218, illus. incl. 1 table, 24 ref., April 2004.

**59004508**

**Sun Binxiang (Chinese Academy of Science, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Xu Xuezu; Lai Yuanming; Li Dongqing; Wang Shuangjie and Zhang Jinzhao.**

Experimental researches of thermal diffusivity and conductivity in embankment ballast under periodically fluctuating temperature: **Cold Regions Science and Technology**, 38(2-3), p. 219-227, illus. incl. 3 tables, 13 ref., April 2004.

**59004509**

**Bo Su (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Ning Li and Quan Xiaojuan.**

The numerical study on the ventilated embankment in permafrost regions in Qinghai-Tibet railway: **Cold Regions Science and Technology**, 38(2-3), p. 229-238, illus. incl. 7 tables, 17 ref., April 2004.

**59004510**

**Crocker, G. (Ballicater Consulting, Kingston, ON, Canada); English, J.; McKenna, R. and Gagnon, R.**

Evaluation of bergy bit populations on the Grand Banks: **Cold Regions Science and Technology**, 38(2-3), p. 239-250, illus. incl. 6 tables, 7 ref., April 2004.

**59004511**

**Gazdzicki, Andrzej (Polska Akademia Nauk, Instytut Paleobiologii, Warsaw, Poland); Tatur, Andrzej; Hara, Urszula and del Valle, Rodolfo A.**

The Weddell Sea Formation; post-late Pliocene terrestrial glacial deposits on Seymour Island, Antarctic Peninsula: **Polish Polar Research**, 25(3-4), p. 189-204, illus. incl. geol. sketch maps, 38 ref., 2004.

**59004512**

**Leszkiewicz, Jan (Uniwersytet Slaski, Wydział Nauk o Ziemi, Sosnowiec, Poland) and Caputa, Zbigniew.**

The thermal condition of the active layer in the permafrost at Hornsund, Spitsbergen: **Polish Polar Research**, 25(3-4), p. 223-239, illus. incl. 1 table, geol. sketch map, 37 ref., 2004.

**59004513**

**Kaim, Andrzej (Polska Akademia Nauk, Instytut Paleobiologii, Warsaw, Poland); Beisel, Alexander L. and Kurushin, Nikolai I.**

Mesozoic gastropods from Siberia and Timan (Russia); Part 1, Vetigastropoda and Caenogastropoda (exclusive of Neogastropoda): **Polish Polar Research**, 25(3-4), p. 241-266, 13 plates, 1 table, geol. sketch map, 45 ref., 2004.

**59004514**

**Walkusz, Wojciech (Polska Akademia Nauk, Instytut Oceanologii, Warsaw, Poland); Kwasniewski, Sławomir; Dmoch, Katarzyna; Hop, Haakon; Zmijewska, Maria Iwona; Bielecka, Luiza; Falk-Petersen, Stig and Sicinski, Jacek.**

Characteristics of the Arctic and Antarctic mesozooplankton in the neritic zone during summer: **Polish Polar Research**, 25(3-4), p. 275-291, illus. incl. 2 tables, sketch maps, 48 ref., 2004.

**59004515**

**Allen, Phillip A. (ETH-Zentrum, Earth Sciences Department, Zurich, Switzerland);  
Leather, Jonathan and Brasier, Martin D.**

The Neoproterozoic Fiq glaciation and its aftermath, Huqf Supergroup of Oman: **Basin Research**, 16(4), p. 507-534, illus. incl. sects., strat. cols., 2 tables, geol. sketch maps, 111 ref., December 2004.

**59004516**

**Moshonkin, S. N. (Russian Academy of Sciences, Institute of Numerical Mathematics, Moscow, Russian Federation); Dianskii, N. A.; Eidinov, D. A. and Bagno, A. V.**

Coupled North Atlantic and Arctic ocean circulation modeling: **Oceanology**, 44(6), p. 759-772, illus., 48 ref., December 2004.

**59004517**

**Dmitrenko, O. V. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation).**

Selected issues of the Cenozoic paleoecology of the nannoplankton of the Southern Ocean: **Oceanology**, 44(6), p. 856-866, illus., 41 ref., December 2004.

**59004518**

**Frolov, I. E. (Arctic and Antarctic Research Institute, Russian Federal Service for Hydrometeorology and Environmental Monitoring, Saint Petersburg, Russian Federation); Sokolov, V. T.; Mel'nikov, I. A. and Shevchenko, V. P.**

North Pole-32 drifting research station: **Oceanology**, 44(6), p. 884-886, sketch map, December 2004.

**59004519**

**Baker, Gregory S. (University of Buffalo, Buffalo, NY); Strasser, Jeffrey C.; Evenson, Edward B.; Lawson, Daniel E.; Pyke, Kendra and Bigl, Robert A.**

Near-surface seismic reflection profiling on an active glacier: *in* Symposium on The application of geophysics to environmental and engineering problems, **Proceedings - Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP)**, 2002, 11EG5, illus. incl. sects., 17 ref., February 2002. *Meeting*: Feb. 10-14, 2002, Las Vegas, NV. CRREL Report No: ERDC/CRREL MP-05-6464

**59004520**

**Laymon, Douglas E. (Aquifer Science & Technology, Tinley Park, IL).**

The life of a graduate student in Antarctica on a seismic reflection crew: *in* Symposium on The application of geophysics to environmental and engineering problems, **Proceedings - Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP)**, 2002, 11EG7, sketch map, 6 ref., February 2002. *Meeting*: Feb. 10-14, 2002, Las Vegas, NV.

**59004521**

**Shepherd, Ted; Plumb, R. Alan and Wofsy, Steven C., editors.**

The Antarctic stratospheric sudden warming and split ozone hole of 2002: **Journal of the Atmospheric Sciences**, 62(3), p. 565-900, illus. incl. tables, sketch maps, March 2005. Individual papers within scope are cited separately.

**59004522**

**Hio, Yasuko (Kyoto University, Department of Geophysics, Kyoto, Japan) and Yoden, Shigeo.**

Interannual variations of the seasonal march in the Southern Hemisphere stratosphere for 1979-2002 and characterization of the unprecedented year 2002: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 567-580, illus. incl. 2 tables, 20 ref., March 2005.

**59004523**

**Roscoe, Howard K. (British Antarctic Survey, Cambridge, United Kingdom); Shanklin, J. D. and Colwell, S. R.**

Has the Antarctic vortex split before 2002?: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 581-588, illus. incl. sketch maps, 9 ref., March 2005.

**59004524**

**Charlton, Andrew J. (University of Reading, Department of Meteorology, Reading, United Kingdom); O'Neill, Alan; Lahoz, William A. and Berrisford, Paul.**

The splitting of the stratospheric polar vortex in the Southern Hemisphere, September 2002; dynamical evolution: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 590-602, illus. incl. sketch maps, 29 ref., March 2005.

**59004525**

**Krüger, Kirstin (Freie Universität Berlin, Institut für Meteorologie, Berlin, Federal Republic of Germany); Naujokat, Barbara and Labitzke, Karin.**

The unusual midwinter warming in the Southern Hemisphere stratosphere 2002; a comparison to Northern Hemisphere phenomena: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 603-613, illus. incl. sketch map, 39 ref., March 2005.

**59004526**

**Newman, Paul A. (NASA, Goddard Space Flight Center, Greenbelt, MD) and Nash, Eric R.**

The unusual Southern Hemisphere stratosphere winter of 2002: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 614-628, illus. incl. 1 table, 28 ref., March 2005.

**59004527**

**Scaife, Adam A. (Met Office, Exeter, United Kingdom); Jackson, D. R.; Swinbank, Richard; Butchart, N.; Thornton, H. E.; Keil, M. and Henderson, L.**

Stratospheric vacillations and the major warming over Antarctica in 2002: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 629-639, illus., 27 ref., March 2005.

**59004528**

**Harnik, Nili (Lamont-Doherty Earth Observatory, Palisades, NY); Scott, Richard K. and Perlwitz, Judith.**

Wave reflection and focusing prior to the major stratospheric warming of September 2002: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 640-650, illus. incl. 1 table, 21 ref., March 2005.

**59004529**

**Gray, Lesley (Reading University, Meteorology Department, Reading, United Kingdom); Norton, Warwick; Pascoe, Charlotte and Charlton, Andrew J.**

A possible influence of equatorial winds on the September 2002 Southern Hemisphere sudden warming event: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 651-667, illus. incl. sketch map, 19 ref., March 2005.

**59004530**

**Simmons, Adrian (European Centre for Medium-Range Weather Forecasts, Reading, United Kingdom); Hortal, Mariano; Kelly, Graeme; McNally, Anthony; Untch, Agathe and Uppala, Sakari.**

ECMWF analyses and forecasts of stratospheric winter polar vortex breakup; September 2002 in the Southern Hemisphere and related events: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 668-689, illus., 22 ref., March 2005.

**59004531**

**Manney, Gloria L. (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA); Sabutis, Joseph L.; Allen, Douglas R.; Lahoz, William A.; Scaife, Adam A.; Randall, Cora E.; Pawson, Steven; Naujokat, Barbara and Swinbank, Richard.**

Simulations of dynamics and transport during the September 2002 Antarctic major warming: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 690-707, illus. incl. 1 table, 54 ref., March 2005.

**59004532**

**Thompson, David W. J. (Colorado State University, Department of Atmospheric Science, Fort Collins, CO); Baldwin, Mark P. and Solomon, Susan.**

Stratosphere-troposphere coupling in the Southern Hemisphere: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 708-715, illus. incl. 1 table, 28 ref., March 2005. NSF Grants ATM-0132190 and ATM-0320959.

**59004533**

**Stolarski, Richard S. (NASA, Goddard Space Flight Center, Greenbelt, MD); McPeters, Richard D. and Newman, Paul A.**

The ozone hole of 2002 as measured by TOMS: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 716-720, illus. incl. sketch map, 15 ref., March 2005.

**59004534**

**von Savigny, C. (University of Bremen, Institute of Environmental Physics, Bremen, Federal Republic of Germany); Rozanov, A.; Bovensmann, H.; Eichmann, K. U.; Noël, S.; Rozanov, V. V.; Sinnhuber, B. M.; Weber, Mark; Burrows, John P. and Kaiser, J. W.**  
The ozone hole breakup in September 2002 as seen by SCIAMACHY on ENVISAT: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 721-734, illus., 53 ref., March 2005.

**59004535**

**Orsolini, Yvan J. (Norwegian Institute for Air Research, Kjeller, Norway); Randall, Cora E.; Manney, Gloria L. and Allen, Douglas R.**  
An observational study of the final breakdown of the Southern Hemisphere stratospheric vortex in 2002: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 735-747, illus. incl. 1 table, 36 ref., March 2005.

**59004536**

**Randall, Cora E. (University of Colorado, Laboratory for Atmospheric and Space Physics, Boulder, CO); Manney, Gloria L.; Allen, Douglas R.; Bevilacqua, R. M.; Hornstein, J.; Trepte, C.; Lahoz, William A.; Ajtic, J. and Bodeker, G.**  
Reconstruction and simulation of stratospheric ozone distributions during the 2002 austral winter: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 748-764, illus., 31 ref., March 2005.

**59004537**

**Friess, U. (University of Heidelberg, Institut für Umweltphysik, Heidelberg, Federal Republic of Germany); Kreher, K.; Johnston, P. V. and Platt, Ulrich.**  
Ground-based DOAS measurements of stratospheric trace gases at two Antarctic stations during the 2002 ozone hole period: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 765-777, illus. incl. 2 tables, 35 ref., March 2005.

**59004538**

**Richter, Andreas (University of Bremen, Institute for Environmental Physics, Bremen, Federal Republic of Germany); Wittrock, Folkard; Weber, Mark; Beirle, Steffen; Kühl, Sven; Platt, Ulrich; Wagner, Thomas; Wilms-Grabe, Walburga and Burrows, John P.**  
GOME observations of stratospheric trace gas distributions during the splitting vortex event in the Antarctic winter of 2002; Part I, Measurements: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 778-785, illus., 30 ref., March 2005.

**59004539**

**Glatthor, Norbert (Universität Karlsruhe, Forschungszentrum Karlsruhe, Karlsruhe, Federal Republic of Germany); von Clarmann, T.; Fischer, H.; Funke, B.; Grabowski, U.; Höpfner, M.; Kellmann, S.; Kiefer, M.; Linden, A.; Milz, M.; Steck, T.; Stiller, G. P.; Tsidu, G. Mengistu and Wang, D. Y.**  
Mixing processes during the Antarctic vortex split in September-October 2002 as inferred from source gas and ozone distributions from ENVISAT-MIPAS: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 787-800, illus. incl. 3 tables, 29 ref., March 2005.

**59004540**

**Kondragunta, Shobha (NOAA, NESDIS, Center for Satellite Applications and Research, Camp Springs, MD); Flynn, L. E.; Neuendorffer, A.; Miller, A. J.; Long, C.; Nagatani, R.; Zhou, S.; Beck, T.; Beach, E.; McPeters, Richard D.; Stolarski, Richard S.; Bhartia, P. K.; DeLand, M. T. and Huang, L. K.**

Vertical structure of the anomalous 2002 Antarctic ozone hole: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 801-811, illus., 24 ref., March 2005.

**59004541**

**Eskes, Henk (Royal Netherlands Meteorological Institute, De Bilt, Netherlands); Segers, Arjo and van Velthoven, Peter.**

Ozone forecasts of the stratospheric polar vortex-splitting event in September 2002: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 812-821, illus., 37 ref., March 2005.

**59004542**

**Feng, W. (University of Leeds, Institute for Atmospheric Science, Leeds, United Kingdom); Chipperfield, M. P.; Roscoe, Howard K.; Remedios, J. J.; Waterfall, A. M.; Stiller, G. P.; Glatthor, Norbert; Höpfner, M. and Wang, D. Y.**

Three-dimensional model study of the Antarctic ozone hole in 2002 and comparison with 2000: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 822-837, illus. incl. 1 table, 23 ref., March 2005. Includes 2 appendices.

**59004543**

**Siegmund, Peter (Royal Netherlands Meteorological Institute, De Bilt, Netherlands); Eskes, Henk and van Velthoven, Peter.**

Antarctic ozone transport and depletion in austral spring 2002: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 838-847, illus., 14 ref., March 2005.

**59004544**

**Konopka, Paul (Institute for Stratospheric Research, Research Centre Jülich, Jülich, Federal Republic of Germany); Grooss, Jens-Uwe; Hoppel, Karl W.; Steinhorst, Hildegard-Maria and Müller, Rolf.**

Mixing and chemical ozone loss during and after the Antarctic polar vortex major warming in September 2002: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 848-859, illus., 27 ref., March 2005.

**59004545**

**Grooss, Jens-Uwe (Institut für Chemie und Dynamik der Geosphäre, Forschungszentrum Jülich, Jülich, Federal Republic of Germany); Konopka, Paul and Müller, Rolf.**

Ozone chemistry during the 2002 Antarctic vortex split: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 860-870, illus. incl. 1 table, 23 ref., March 2005.

**59004546**

**Marchand, Marion (CNRS, Service d'Aéronomie, Paris, France); Bekki, S.; Pazmino, A.; Lefèvre, F.; Godin-Beekmann, S. and Hauchecorne, A.**

Model simulations of the impact of the 2002 Antarctic ozone hole on the midlatitudes: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 871-884, illus., 28 ref., March 2005.

**59004547**

**Naujokat, Barbara (Freie Universität Berlin, Institut für Meteorologie, Berlin, Federal Republic of Germany) and Roscoe, Howard K.**

Evidence against an Antarctic stratospheric vortex split during the periods of pre-IGY temperature measurements: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 885-889, illus. incl. sketch map, 12 ref., March 2005.

**59004548**

**Kushner, Paul J. (University of Toronto, Department of Physics, Toronto, ON, Canada) and Polvani, Lorenzo M.**

A very large, spontaneous stratospheric sudden warming in a simple AGCM; a prototype for the Southern Hemisphere warming of 2002?: *in* The Antarctic stratospheric sudden warming and split ozone hole of 2002 (Shepherd, Ted, editor; *et al.*), **Journal of the Atmospheric Sciences**, 62(3), p. 890-897, illus., 14 ref., March 2005.

**59004549**

**Williams, Richard S. (U. S. Geological Survey, Woods Hole, MA) and Ferrigno, Jane G.**

Satellite image atlas of glaciers of the world: **Fact Sheet - U. S. Geological Survey**, Rep. No. FS 2005-3056, 2 p., illus. incl. 1 table, sketch map, May 2005. WWW. Accessed on July 6, 2005; supersedes U. S. Geological Survey Fact Sheets 0130-02, 0133-99, and 94-0009. <http://pubs.usgs.gov/fs/2005/3056>

**59004550**

**Roth, Mary J. S. (Lafayette College, Easton, PA).**

Earth resistivity testing; two case studies from Norway: *in* Symposium on The application of geophysics to environmental and engineering problems, **Proceedings - Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP)**, 2002, 13HRR2, illus. incl. sects., 1 table, sketch maps, 14 ref., February 2002. *Meeting*: Feb. 10-14, 2002, Las Vegas, NV.

**59004551**

**Grebenets, V. I. (Moscow State University, Moscow, Russian Federation).**

Monitoring changes in geocryological conditions during the engineering preparation, construction, and occupancy of buildings and structures: **Soil Mechanics and Foundation Engineering**, 36(5), p. 191-194, 5 ref., October 1999.

**59004552**

**Thompson, Lonnie G. (Ohio State University, Byrd Polar Research Center, Columbus, OH).**

Initial global perspective of climate for the last thousand years; the ice core record: *in* Proceedings of the Seventh annual Pacific climate (PACLIM) workshop (Betancourt, Julio L., editor; *et al.*), **Technical Report - Interagency Ecological Study Program for the Sacramento-San Joaquin Estuary**, 26, p. 147-151, illus. incl. chart, 12 ref., April 1991. *Meeting*: April 1990, Asilomar, CA.

**59004556**

**Sjogren, Leif (Swedish National Road and Transport Research Institute, Linkoping, Sweden).**

Road surface measuring in Sweden or Europe?: **VTI Sartryck**, Rep. No. 363A, p. 1-10, illus., 5 ref., 2005. Reprinted from 6th international conference on Managing pavements; Brisbane, Australia; Oct. 19-24, 2004.

**59004557**

**Ihs, Anita (Swedish National Road and Transport Research Institute, Linkoping, Sweden).**

The influence of road surface condition on traffic safety and ride comfort: **VTI Sartryck**, Rep. No. 363A, p. 11-21, illus. incl. 1 table, 8 ref., 2005. Reprint from 6th international conference on Managing pavements; Brisbane, Australia; Oct. 19-24, 2004.

**59004558**

**Monaghan, Andrew J. (Byrd Polar Research Center, Polar Meteorology Group, Columbus, OH); Bromwich, David H.; Powers, Jordan G. and Manning, Kevin W.**

The climate of the McMurdo, Antarctica, region as represented by one year of forecasts from the Antarctic mesoscale prediction system: **Journal of Climate**, 18(8), p. 1174-1189, illus. incl. 2 tables, sketch maps, 50 ref., April 15, 2005. NSF Grant OPP-UCAR subcontract SO1-22961.

**59004562**

**Herlihy, Frances A.**

A marine sedimentary record of the last glacial cycle in the Franz Victoria and Saint Anna Troughs, northern Barents and Kara Seas, Russia: 196 p., illus. incl. 5 tables, 187 ref., Master's, 1996, Ohio State University, Columbus, OH.

**59004563**

**Weihe, Richard Rolfe.**

Late Quaternary glacial geology and relative sea-level history of Franz Joseph Land, Arctic Russia: 158 p., illus. incl. 9 tables, 58 ref., Master's, 1996, Ohio State University, Columbus, OH.

**59004564**

**Douglas, Bruce C. (Florida International University's International Hurricane Center, Miami, FL) and Peltier, W. Richard.**

The puzzle of global sea-level rise: **Physics Today**, 55(3), p. 35-40, illus. incl. geol. sketch maps, 14 ref., March 2002.

**59004565**

**Kojima, S. (Tokyo Women University, Tokyo, Japan).**

Research of terrestrial ecology in Alaska: **Kyokuchi = Polar News**, 39(1(76)), p. 9-14, (Japanese), illus., 14 ref., March 2003.

**59004566**

**Shimamura, H. (Hokkaido University, Center of Earthquakes and Volcanoes, Sapporo, Japan).**

Ocean bottom seismographic observations in the Arctic Ocean: **Kyokuchi = Polar News**, 39(1(76)), p. 24-31, (Japanese), illus., March 2003.

**59004567**

**Rintoul, Stephen R. (CSIRO Division of Oceanography, Hobart, Tasmania, Australia) and England, Matthew H.**

Ekman transport dominates local air-sea fluxes in driving variability of subantarctic mode water: **Journal of Physical Oceanography**, 32(5), p. 1308-1321, illus. incl. 2 tables, 48 ref., May 2002.

**59004568**

**Merryfield, William J. (Institute of Ocean Sciences, Sidney, BC, Canada).**

Intrusions in double-diffusively stable arctic waters; evidence for differential mixing?: **Journal of Physical Oceanography**, 32(5), p. 1452-1459, illus. incl. 4 tables, 35 ref., May 2002.

**59004569**

**Sun, Che (University of Rhode Island, Graduate School of Oceanography, Narragansett, RI) and Watts, D. Randolph.**

A pulsation mode in the Antarctic Circumpolar Current south of Australia: **Journal of Physical Oceanography**, 32(5), p. 1479-1495, illus., 23 ref., May 2002.

**59004570**

**Lee, Mei-Man (Southampton Oceanography Centre, James Rennell Division, Southampton, United Kingdom); Coward, Andrew C. and Nurser, A. J. George.**

Spurious diapycnal mixing of the deep waters in an eddy-permitting global ocean model: **Journal of Physical Oceanography**, 32(5), p. 1522-1535, illus., 41 ref., May 2002.

**59004571**

**Phillips, Helen E. (University of Tasmania, Institute of Antarctic and Southern Ocean Studies, Hobart, Tasmania, Australia) and Rintoul, Stephen R.**

A mean synoptic view of the Subantarctic Front south of Australia: **Journal of Physical Oceanography**, 32(5), p. 1536-1553, illus. incl. 2 tables, 37 ref., May 2002.

**59004572**

**Shackleton, N. J. (University of Cambridge, Godwin Laboratory, Cambridge, United Kingdom); Fairbanks, R. G.; Chiu, Tzuchien and Parrenin, F.**

Absolute calibration of the Greenland time scale: implications for Antarctic time scales and for  $\Delta^{14}\text{C}$ : **Quaternary Science Reviews**, 23(14-15), p. 1513-1522, illus. incl. 2 tables, 32 ref., August 2004. Supported by the EC through EVK2-CT-2000-00089 POP (NJS, F) and NSF.

**59004573**

**Gouzy, A. (Université de Bordeaux I, Talence, France); Malaizé, B.; Pujol, C. and Charlier, K.**

Climatic "pause" during Termination II identified in shallow and intermediate waters off the Iberian margin: **Quaternary Science Reviews**, 23(14-15), p. 1523-1528, illus. incl. geol. sketch map, 33 ref., August 2004.

**59004574**

**Hall, Ian R. (Cardiff University, Cardiff School of Earth, Ocean and Planetary Sciences, Cardiff, United Kingdom); Bianchi, Giancarlo G. and Evans, John R.**

Centennial to millennial scale Holocene climate-deep water linkage in the North Atlantic: **Quaternary Science Reviews**, 23(14-15), p. 1529-1536, illus. incl. geol. sketch map, 30 ref., August 2004.

**59004575**

**Menounos, Brian (University of Northern British Columbia, Geography Program, Prince George, BC, Canada); Koch, Johannes; Osborn, Gerald; Clague, John J. and Mazzucchi, David.**

Early Holocene glacier advance, southern Coast Mountains, British Columbia, Canada: **Quaternary Science Reviews**, 23(14-15), p. 1543-1550, illus. incl. sect., 1 table, geol. sketch map, 47 ref., August 2004.

**59004576**

**Lee, Jonathan R. (University of London, Royal Holloway, Department of Geography, Egham, United Kingdom); Rose, James; Hamblin, Richard J. O. and Moorlock, Brian S. P.**

Dating the earliest lowland glaciation of eastern England: a pre-MIS 12 early middle Pleistocene Happisburgh glaciation: **Quaternary Science Reviews**, 23(14-15), p. 1551-1566, illus. incl. chart, 3 tables, geol. sketch maps, 72 ref., August 2004.

**59004577**

**Lambeck, Kurt (Australian National University, Research School of Earth Sciences, Canberra, Australia); Antonioli, Fabrizio; Purcell, Anthony and Silenzi, Sergio.**

Sea-level change along the Italian coast for the past 10,000 yr: **Quaternary Science Reviews**, 23(14-15), p. 1567-1598, illus. incl. 1 table, 94 ref., August 2004.

**59004578**

**Bateman, Mark D. (University of Sheffield, Geography Department, Sheffield, United Kingdom); Holmes, Peter J.; Carr, Andrew S.; Horton, Benjamin P. and Jaiswal, Manoj K.**

Aeolianite and barrier dune construction spanning the last two glacial-interglacial cycles from the southern Cape coast, South Africa: **Quaternary Science Reviews**, 23(14-15), p. 1681-1698, illus. incl. 2 tables, strat. cols., 63 ref., August 2004.

**59004579**

**Gagnon, Robert (National Research Council of Canada, Institute for Ocean Technology, St. John's, NF, Canada).**

Analysis of laboratory growler impact tests: **Cold Regions Science and Technology**, 39(1), p. 1-17, illus. incl. 2 tables, 7 ref., August 2004.

**59004580**

**Zhang Xuefu (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Lai Yuanming; Yu Wenbing; Zhang Shujuan and Xiao Jianzhang.**  
Forecast analysis of the refreezing of Kunlun mountain permafrost tunnel on Qing-Tibet railway in China: **Cold Regions Science and Technology**, 39(1), p. 19-31, illus., 9 ref., August 2004.

**59004581**

**Li Haipeng (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Zhu Yuanlin; Zhang Junbing and Lin Chuannian.**  
Effects of temperature, strain rate and dry density on compressive strength of saturated frozen clay: **Cold Regions Science and Technology**, 39(1), p. 39-45, illus. incl. 3 tables, 11 ref., August 2004.

**59004582**

**Yang Meixue (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Key Laboratory of Ice Core and Cold Region Environment, Lanzhou, China); Wang Shaoling; Yao Tandong; Gou Xiaohua; Lu Anxin and Guo Xuejun.**  
Desertification and its relationship with permafrost degradation in Qinghai-Xizang (Tibet) plateau: **Cold Regions Science and Technology**, 39(1), p. 47-53, illus. incl. 2 tables, 7 ref., August 2004.

**59004583**

**Meunier, Maurice (Cemagref, Unité Erosion Torrentielle, Neige et Avalanches, Saint-Martin-d'Herès, France); Ancey, Christophe and Taillandier, Jean-Michel.**  
Fitting avalanche-dynamics models with documented events from the Col du Lautaret site (France) using the conceptual approach: **Cold Regions Science and Technology**, 39(1), p. 55-66, illus. incl. 5 tables, 21 ref., August 2004.

**59004584**

**Lai Yuanming (Chinese Academy of Sciences, Cold and Arid Regions, Environmental and Engineering Research Institute, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Zhang Shujuan; Zhang Luxin and Xiao Jianzhang.**  
Adjusting temperature distribution under the south and north slopes of embankment in permafrost regions by the ripped-rock revetment: **Cold Regions Science and Technology**, 39(1), p. 67-79, illus. incl. 2 tables, 16 ref., August 2004.

**59004585**

**Lee, Molly and Reinhardt, Gregory L.**  
Eskimo architecture; dwelling and structure in the early historic period: University of Alaska Press, Fairbanks, AK, 200 p., illus. incl. sketch map, 2002. ISBN: 1-889963-22-4. Includes appendix.

**59004586**

**Smith, Kathleen Lopp and Smith, Verbeck, editors.**  
Ice window; letters from a Bering Strait village 1898-1902: University of Alaska Press, Fairbanks, AK, 392 p., illus. incl. sketch maps, 2002. ISBN: 1-889963-20-8; 1-889963-21-6.

**59004587**

**Black, Lydia T.**

Russians in Alaska (1741-1867): University of Alaska Press, Fairbanks, AK, 400 p., illus. incl. sketch maps, 2002. ISBN: 1-889963-04-6; 1-889963-05-4.

**59004588**

**Noyes, Leslie; Beistline, Earl H. and Wolff, Ernest N.**

Rock poker to pay dirt; the history of Alaska's School of Mines and its successors: University of Alaska Press, Fairbanks, AK, 712 p., illus. incl. sketch maps, 2001. ISBN: 1-883309-04-2.

**59004589**

**Ingelson, Allan; Mahony, Mike and Scace, Robert.**

Chilkoot; an adventure in ecotourism: University of Alaska Press, Fairbanks, AK, University of Calgary Press, Canada, 2001. ISBN: 1-889963-54-2; 1-889963-55-0.

**59004590**

**Rausch, V. R., editor; Baldwin, D. L., editor and Nelson, James P., translator.**

The Yukon Relief Expedition and the journal of Carl Johan Sakariassen: University of Alaska Press, Fairbanks, AK, 264 p., illus. incl. sketch maps, 2002. ISBN: 1-889963-33-X; 1-889963-32-1.

**59004591**

**Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft.**

Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003: **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, 308 p., (German, English), illus., 2003. Individual papers within scope are cited separately.  
publisher: <http://www.awi-bremerhaven.de>

**59004592**

**Storch, Daniela; Heilmayer, Olaf; Brey, Thomas; Block, Christian; Pötner, Hans O. and Arntz, Wolf.**

Überleben unter hochantarktischen Bedingungen, Untersuchungen an Pectiniden—Making a living in high-Antarctic waters, a study on pectinids: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 30-32, (German, English), illus., 2003.

**59004593**

**Hellmer, Hartmut H.**

Die "süßen" kalten Quellen der Antarktis—Antarctica's cold freshwater sources: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 33-35, (German, English), illus. incl. sketch map, 2003.

**59004594**

**Wacker, Ulrike and Reinhardt, Thorsten.**

Eigenschaften von Eisteilchen und ihre Auswirkung auf die Wolkenstruktur—Attributes of ice particles and their effects on the cloud structure: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 36-38, illus., 2003.

**59004595**

**Schauer, Ursula; Fahrbach, Eberhard and Rohardt, Gerd.**

Wärme für das Nordpolarmeer—Warming in Arctic Ocean: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 39-42, (German, English), illus. incl. sketch map, 2003.

**59004596**

**Rex, Markus and von der Gathen, Peter.**

Stratosphärischer Ozonabbau; Das Auf und Ab in der Arktis—Stratospheric ozone destruction; the up and downs in the Arctic: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 43-46, (German, English), illus., 2003.

**59004597**

**Rachold, Volker and Hubberten, Hans-Wolfgang.**

Permafrost-Küsten der Arktis; Gefrorenes Land versinkt im Meer—Permafrost coasts of the Arctic; frozen land drowns in the sea: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 47-49, (German, English), illus., 2003.

**59004598**

**Andreev, Andrei; Kienast, Frank and Kumke, Thomas.**

Umweltrekonstruktionen mit Bioindikatoren in den polaren Landgebieten—Fossil remains indicate paleoenvironments in the terrestrial Arctic: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 50-52, (German, English), illus., 2003.

**59004599**

**Jokat, Wilfried.**

Feuer and Eis am Pol—Fire and ice at the North Pole: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 53-55, (German, English), illus., 2003.

**59004600**

**Nixdorf, Uwe.**

Die Polarflugzeuge als wissenschaftlich Messplattform—Polar aircraft as platforms for scientific measurements: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 56-59, (German, English), illus., 2003.

**59004601**

**Stein, Rüdiger.**

Variabilität des Flusseintrags in die Arktis; Natürliche Klimaschwankungen?—Variability of freshwater discharge in the Arctic; climate change?: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 60-163, (German, English), illus. incl. sketch map, 2003.

**59004602**

**Klages, Michael and Soltwedel, Thomas.**

Von Tiefseekorallen über Schlammvulkane in die arktische Tiefsee; “Victor 6000 an Bord der,“ Polarstern’—Via deep-water corals and mud volcanoes into the Arctic deep sea; “Victor 6000” onboard the RV “Polarstern’: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 64-67, (German, English), illus., 2003.

**59004603**

**Anonymous.**

Klimasystem—Climate system: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 82-104, (German, English), illus., 2003.

**59004604**

**Anonymous.**

Pelagische Ökosysteme—Pelagic ecosystems: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 105-125, (German, English), illus., 2003.

**59004605**

**Anonymous.**

Benthische Ökosysteme—Benthic ecosystems: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 126-147, (German, English), illus., 2003.

**59004606**

**Anonymous.**

Geosystem—Geosystem: *in* Das AWI den Jahren 2002 und 2003—AWI annual report 2002 and 2003 (Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft), **Zweijahresbericht - Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung = Report - Alfred Wegener Institute for Polar and Marine Research**, 2002-2003, p. 148-171, (German, English), 2003.

**59004607**

**Hermansson, Ake (Swedish National Road and Transport Research Institute, Highway Engineering, Linköping, Sweden).**

Mathematical model for paved surface summer and winter temperature; comparison of calculated and measured temperatures: **Cold Regions Science and Technology**, 40(1-2), p. 1-17, illus. incl. 4 tables, 15 ref., November 2004.

**59004608**

**Wang Dayan (Cold and Arid Regions Environmental and Engineering Research Institute, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Ma Wei and Chang Xiaoxiao.**

Analyses of behavior of stress-strain of frozen Lanzhou loess subjected to  $K_0$  consolidation: **Cold Regions Science and Technology**, 40(1-2), p. 19-29, November 2004.

**59004609**

**McCarthy, Kathleen (U. S. Geological Survey, Portland, OR); Walker, Langston; Vigoren, Leah and Bartel, Janet.**

Remediation of spilled petroleum hydrocarbons by in situ landfarming at an Arctic site: **Cold Regions Science and Technology**, 40(1-2), p. 31-39, illus. incl. 4 tables, sketch map, 20 ref., November 2004.

**59004610**

**Johnson, B. Crane (University of Calgary, Department of Civil Engineering, Calgary, AB, Canada); Jamieson, J. Bruce and Stewart, Robert R.**

Seismic measurement of fracture speed in a weak snowpack layer: **Cold Regions Science and Technology**, 40(1-2), p. 41-45, illus. incl. 1 table, 16 ref., November 2004.

**59004611**

**Ferguson, Susan H. (University of Tasmania, Hobart, Tasmania, Australia); Woinarski, Andrei Z.; Snape, Ian; Morris, Carl E. and Revill, Andrew T.**

A field trial of in situ chemical oxidation to remediate long-term diesel contaminated Antarctic soil: **Cold Regions Science and Technology**, 40(1-2), p. 47-60, illus. incl. 3 tables, 49 ref., November 2004.

**59004612**

**Delille, Daniel (Université Pierre et Marie Curie, Observatoire Océanologique de Banyuls, Banyuls, France); Coulon, Frederic and Pelletier, Emilien.**

Effects of temperature warming during a bioremediation study of natural and nutrient-amended hydrocarbon-contaminated sub-Antarctic soils: **Cold Regions Science and Technology**, 40(1-2), p. 61-70, illus. incl. sketch map, 44 ref., November 2004.

**59004613**

**Cheng Guodong (Chinese Academy of Sciences, Cold and Arid Regions Environment and Engineering Research Institute, Lanzhou, China); Zhang Jianming; Sheng Yu and Chen Ji.**

Principle of thermal insulation for permafrost protection: **Cold Regions Science and Technology**, 40(1-2), p. 71-79, illus., 25 ref., November 2004.

**59004614**

**Borzotta, E. (Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales (IANIGLA), Mendoza, Argentina) and Trombotto, D.**

Correlation between frozen ground thickness measured in Antarctica and permafrost thickness estimated on the basis of the heat flow obtained from magnetotelluric soundings: **Cold Regions Science and Technology**, 40(1-2), p. 81-96, illus. incl. strat. cols., sketch map, 47 ref., November 2004.

**59004615**

**Liferov, Pavel (Norwegian University of Science and Technology, Trondheim, Norway) and Hoyland, Knut V.**

In-situ ice ridge scour tests; experimental set up and basic results: **Cold Regions Science and Technology**, 40(1-2), p. 97-110, illus. incl. 7 tables, 23 ref., November 2004.

**59004616**

**Mahajan, Puneet (Indian Institute of Technology, Applied Mechanics Department, New Delhi, India) and Senthil, S.**

Cohesive element modeling of crack growth in a layered snowpack: **Cold Regions Science and Technology**, 40(1-2), p. 111-122, illus. incl. 1 table, 20 ref., November 2004.

**59004617**

**Xu Yongfu (Shanghai Jiaotong University, School of Civil Engineering and Mechanics, Shanghai, China); Xu Jianping and Wang Jianhua.**

Fractal model for size effect on ice failure strength: **Cold Regions Science and Technology**, 40(1-2), p. 135-144, illus. incl. 1 table, 29 ref., November 2004.

**59004618**

**Williams, Greg (University of Minnesota, Department of Civil Engineering, St. Anthony Falls Laboratory, Minneapolis, MN); Layman, Kari L. and Stefan, Heinz G.**

Dependence of lake ice covers on climatic, geographic and bathymetric variables: **Cold Regions Science and Technology**, 40(3), p. 145-164, illus. incl. 11 tables, sketch map, 30 ref., December 2004.

**59004619**

**Morcillo, Manuel (Centro Nacional de Investigaciones Metalúrgicas, Madrid, Spain); Chico, Belen; de la Fuente, Daniel; Almeida, Elisabete; Joseph, Günter; Rivero, Susana and Rosales, Blanca.**

Atmospheric corrosion of reference metals in Antarctic sites: **Cold Regions Science and Technology**, 40(3), p. 165-178, illus. incl. 8 tables, sketch maps, 24 ref., December 2004.

**59004620**

**Beltaos, Spyros (National Water Research Institute, Aquatic Ecosystem Impacts Research Branch, Burlington, ON, Canada).**

Wave-generated fractures in river ice covers: **Cold Regions Science and Technology**, 40(3), p. 179-191, illus., 21 ref., December 2004.

**59004621**

**Haehnel, Robert B. (U.S. Army Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory (ERDC-CRREL), Hanover, NH) and Shoop, Sally A.**

A macroscale model for low density snow subjected to rapid loading: **Cold Regions Science and Technology**, 40(3), p. 193-211, illus. incl. 1 table, 38 ref., December 2004. CRREL Report No: ERDC/CRREL MP-05-6467

**59004622**

**Barpi, Fabrizio (Politecnico di Torino, Department of Structural and Geotechnical Engineering, Turin, Italy).**

Fuzzy modelling of powder snow avalanches: **Cold Regions Science and Technology**, 40(3), p. 213-227, illus. incl. 2 tables, December 2004.

**59004623**

**Fyffe, B. (University of Edinburgh, Center for Materials Science and Engineering, Edinburgh, United Kingdom) and Zaiser, M.**

The effects of snow variability on slab avalanche release: **Cold Regions Science and Technology**, 40(3), p. 229-242, illus. incl. 1 table, 15 ref., December 2004.

**59004624**

**Bengtsson, Lars (Lund University, Lund, Sweden); Hasholt, B.; Elberling, B. and Hansen, B. U., editors.**

Northern research basins; selected papers from the 14th international northern research basins symposium/workshop: **Nordic Hydrology**, 35(4-5), p. 279-391, illus. incl. tables, sketch maps, 2004. *Meeting:* Aug. 25-29, 2003, Kangerlussuaq, Greenland. Individual papers are cited separately.

**59004625**

**Prowse, Terry D. (University of Victoria, Environment Canada, Victoria, BC, Canada) and Bonsal, Barrie R.**

Historical trends in river-ice break-up; a review: *in* Northern research basins; selected papers from the 14th international northern research basins symposium/workshop (Bengtsson, Lars, editor; *et al.*), **Nordic Hydrology**, 35(4-5), p. 281-293, illus. incl. sketch maps, 57 ref., 2004. *Meeting*: Aug. 25-29, 2003, Kangerlussuaq, Greenland.

**59004626**

**Woo, Ming-ko (McMaster University, Hamilton, ON, Canada) and Young, Kathy L.**

Modeling Arctic snow distribution and melt at the 1 km grid scale: *in* Northern research basins; selected papers from the 14th international northern research basins symposium/workshop (Bengtsson, Lars, editor; *et al.*), **Nordic Hydrology**, 35(4-5), p. 295-307, illus. incl. 1 table, sketch maps, 24 ref., 2004. *Meeting*: Aug. 25-29, 2003, Kangerlussuaq, Greenland.

**59004627**

**Carey, Sean K. (Carleton University, Department of Geography and Environmental Studies, Ottawa, ON, Canada) and Quinton, W. L.**

Evaluating snowmelt runoff generation in a discontinuous permafrost catchment using stable isotope, hydrochemical and hydrometric data: *in* Northern research basins; selected papers from the 14th international northern research basins symposium/workshop (Bengtsson, Lars, editor; *et al.*), **Nordic Hydrology**, 35(4-5), p. 309-324, illus. incl. 1 table, sketch map, 54 ref., 2004. *Meeting*: Aug. 25-29, 2003, Kangerlussuaq, Greenland.

**59004628**

**Liston, G. E. (Colorado State University, Department of Atmospheric Science, Fort Collins, CO) and Sturm, Matthew.**

The role of winter sublimation in the Arctic moisture budget: *in* Northern research basins; selected papers from the 14th international northern research basins symposium/workshop (Bengtsson, Lars, editor; *et al.*), **Nordic Hydrology**, 35(4-5), p. 325-334, illus. incl. sketch map, 72 ref., 2004. *Meeting*: Aug. 25-29, 2003, Kangerlussuaq, Greenland. NSF Grants OPP-9732077 and OPP-0229973. CRREL Report No: ERDC/CRREL MP-05-6468

**59004629**

**Granlund, Kirsti (Finnish Environment Institute, Helsinki, Finland).**

Variation of runoff and nitrogen leaching in a small agricultural catchment in southern Finland: *in* Northern research basins; selected papers from the 14th international northern research basins symposium/workshop (Bengtsson, Lars, editor; *et al.*), **Nordic Hydrology**, 35(4-5), p. 335-345, illus. incl. 1 table, sketch map, 35 ref., 2004. *Meeting*: Aug. 25-29, 2003, Kangerlussuaq, Greenland.

**59004630**

**Rankinen, Katri (Finnish Environment Institute, Helsinki, Finland); Granlund, Kirsti and Barlund, I.**

Modelling of seasonal effects of soil processes on N leaching in northern latitudes: *in* Northern research basins; selected papers from the 14th international northern research basins symposium/workshop (Bengtsson, Lars, editor; *et al.*), **Nordic Hydrology**, 35(4-5), p. 347-357, illus. incl. 2 tables, sketch map, 44 ref., 2004. *Meeting*: Aug. 25-29, 2003, Kangerlussuaq, Greenland.

**59004631**

**Collins, David N. (University of Salford, School of Environment & Life Sciences, Manchester, United Kingdom) and MacDonald, Oliver G.**

Year-to-year variability of solute flux in meltwaters draining from a highly-glacierised basin: *in* Northern research basins; selected papers from the 14th international northern research basins symposium/workshop (Bengtsson, Lars, editor; *et al.*), **Nordic Hydrology**, 35(4-5), p. 359-367, illus. incl. 4 tables, sketch maps, 14 ref., 2004. *Meeting*: Aug. 25-29, 2003, Kangerlussuaq, Greenland.

**59004632**

**Hagedorn, Birgit (University of Göttingen, Institute of Geochemistry, Göttingen, Federal Republic of Germany) and Hasholt, Bent.**

Hydrology, geochemistry and Sr isotopes in solids and solutes of the meltwater from Mittivakkat Gletscher, SE Greenland: *in* Northern research basins; selected papers from the 14th international northern research basins symposium/workshop (Bengtsson, Lars, editor; *et al.*), **Nordic Hydrology**, 35(4-5), p. 369-380, illus. incl. 3 tables, sketch maps, 31 ref., 2004. *Meeting*: Aug. 25-29, 2003, Kangerlussuaq, Greenland.

**59004633**

**Knudsen, Niels Tvis (University of Aarhus, Department of Earth Sciences, Aarhus, Denmark) and Hasholt, Bent.**

Mass balance observations at Mittivakkat Gletscher, southeast Greenland 1995-2002: *in* Northern research basins; selected papers from the 14th international northern research basins symposium/workshop (Bengtsson, Lars, editor; *et al.*), **Nordic Hydrology**, 35(4-5), p. 381-390, illus. incl. 2 tables, sketch maps, 14 ref., 2004. *Meeting*: Aug. 25-29, 2003, Kangerlussuaq, Greenland.

**59004634**

**Nickel, Jörg (Zoologisches Institut und Zoologisches Museum, Hamburg, Federal Republic of Germany).**

Benthic-pelagic coupling processes in the arctic Mellemfjord (West Greenland) with special focus on benthic Peracarida (Malacostraca, Crustacea) [Benthic-pelagic coupling in the arctic Mellem Fjord (West Greenland) with special focus on benthic Peracarida, Malacostraca, Crustacea]: **Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research**, 491, 135 p. (English sum.), illus. incl. 13 tables, sketch map, 183 ref., Doctoral, 2004, Universita Hamburg, Hamburg, Federal Republic of Germany. Includes appendices.

**59004635**

**Luccini, Eduardo (Universidad Nacional de Rosario, Instituto de Física Rosario, Rosario, Argentina); Cede, Alexander and Piacentini, Rubén D.**

Effect of clouds on UV and total irradiance at Paradise Bay, Antarctic Peninsula, from a summer 2000 campaign: **Theoretical and Applied Climatology**, 75(1-2), p. 105-116, illus., 44 ref., June 2003.

**59004636**

**Hill, Dorothy (NASA, Goddard Space Flight Center, Greenbelt, MD); Kaminski, Marilyn; Cavalieri, Donald J.; Dickinson, Robert E.; Marquis, Melinda; Riggs, George A.; Robinson, David A.; van Woert, Michael and Wolfe, Robert E.**

Earth Observing System snow and ice products for observation and modeling: **Eos, Transactions, American Geophysical Union**, 86(7), p. 67, February 15, 2005.

**59004637**

**Heinloo, Jaak (Tallinn University of Technology, Marine Systems Institute, Tallinn, Estonia) and Toompuu, Aleksander.**

Antarctic Circumpolar Current as a density-driven flow: **Proceedings of the Estonian Academy of Sciences. Physics, Mathematics**, 53(4), p. 252-265 (Estonian sum.), illus., 31 ref., December 2004.

**59004638**

**Codron, Francis (Université Pierre et Marie Curie, CNRS, Laboratoire de Météorologie Dynamique, Paris, France).**

Relation between annular modes and the mean state; Southern Hemisphere summer: **Journal of Climate**, 18(2), p. 320-330, illus. incl. 2 tables, sketch maps, 20 ref., January 15, 2005.

**59004639**

**Johnson, Ron (University of Alaska, Mechanical and Environmental Engineering, Fairbanks, AK); Schmid, Jack; Dinakaran, Satish and Seifert, Rich.**

Use of Simulink for dynamic air quality modeling in interior Alaska: **Journal of Cold Regions Engineering**, 19(1), p. 3-18, illus. incl. 1 table, 27 ref., March 2005.

**59004640**

**Cheng Guodong (State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China).**

Permafrost studies in the Qinghai-Tibet Plateau for road construction: **Journal of Cold Regions Engineering**, 19(1), p. 19-29, illus. incl. sketch map, 40 ref., March 2005.

**59004641**

**Oswell, James M. (AMEC Earth & Environmental, Calgary, AB, Canada) and Tchekhovski, Alexandre.**

Field implications of soil heave by a large diameter chilled gas pipeline experiment, Fairbanks Alaska; discussion: **Journal of Cold Regions Engineering**, 19(1), p. 30-36, illus. incl. 1 table, 4 ref., March 2005. For reference to original see Huang, Scott L. et al., *J. Cold Reg. Engrg.* Vol. 18, No. 1, pp. 2-33, 2004; DOI: 10.1061/(ASCE)0887-381X(2004)18:1(2).

**59004642**

**Suter, Stephan (MeteoSchweiz, Zurich, Switzerland) and Hözle, Martin.**

Kalte Gletscher als Paläotemperaturarchiv; Untersuchungen aus dem Mont-Blanc- und Monte-Rosa-Gebiet [Cold glaciers as a paleotemperature archive; a study from the Mont Blanc and Mont-Rosa areas]: **Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich**, 149(4), p. 95-104 (English sum.), illus. incl. 1 table, 42 ref., December 2004.

**59004643**

**Day, Edith Story.**

Sedimentology and stratigraphy of the Cryogenian (middle Neoproterozoic) Keele Formation, Mackenzie Mountains, Northwest Territories: 105 p., Master's, December 2002, Queen's University, Kingston, ON, Canada.

**59004644**

**Liu Weiguo (Chinese Academy of Sciences, State Key Laboratory of Loess and Quaternary Geology, Xian, China); Huang, Yongsong; An Zhisheng; Clemens, Steven C.; Li Li; Prell, Warren L. and Ning Youfeng.**

Summer monsoon intensity controls C<sub>4</sub>/C<sub>3</sub> plant abundance during the last 35 ka in the Chinese Loess Plateau; carbon isotope evidence from bulk organic matter and individual leaf waxes:

**Palaeogeography, Palaeoclimatology, Palaeoecology**, 220(3-4), p. 243-254, illus. incl. 1 table, sketch map, 55 ref., May 13, 2005.

**59004645**

**Yamada, Katsura (Shimane University, Research Center for Coastal Lagoon Environments, Matsue, Japan); Tanaka, Yuichiro and Irizuki, Toshiaki.**

Paleoceanographic shifts and global events recorded in late Pliocene shallow marine deposits (2.80-2.55 Ma) of the Sea of Japan: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 220(3-4), p. 255-271, illus. incl. sects., 3 tables, sketch maps, 58 ref., May 13, 2005.

**59004646**

**Armstrong, Howard A. (University of Durham, Department of Earth Sciences, Durham, United Kingdom); Turner, Brian R.; Makhlof, Issa M.; Weedon, Graham P.; Williams, Mark; Al Smadi, Ahmad and Abu Salah, Abdulfattah.**

Origin, sequence stratigraphy and depositional environment of an Upper Ordovician (Hirnantian) deglacial black shale, Jordan: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 220(3-4), p. 273-289, illus. incl. sects., sketch maps, 76 ref., May 13, 2005. IGCP Project No. 503.

**59004647**

**Geraga, Maria (University of Patras, Laboratory of Marine Geology and Physical Oceanography, Patra, Greece); Tsaila-Monopolis, Stella; Ioakim, Chrysanthi; Papatheodorou, George and Ferentinos, George.**

Short-term climate changes in the southern Aegean Sea over the last 48,000 years: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 220(3-4), p. 311-332, illus. incl. sects., 1 table, sketch map, 72 ref., May 13, 2005.

**59004648**

**Gingele, Franz X. (Australian National University, Department of Earth and Marine Sciences, Canberra, Australia) and De Deckker, Patrick.**

Late Quaternary fluctuations of palaeoproductivity in the Murray Canyons area, South Australian continental margin: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 220(3-4), p. 361-373, illus. incl. 1 table, sketch map, 41 ref., May 13, 2005.

**59004649**

**Denison, S. M. (University College London, Environmental Change Research Centre, London, United Kingdom); Maslin, M. A.; Boot, C.; Pancost, R. D. and Ettwein, V. J.**

Precession-forced changes in south west African vegetation during marine isotope Stages 101-100 (~2.56-2.51 Ma): **Palaeogeography, Palaeoclimatology, Palaeoecology**, 220(3-4), p. 375-386, illus. incl. 1 table, sketch maps, 51 ref., May 13, 2005.

**59004650**

**Choi, Kyungsik (Queen's University, Department of Geological Sciences, Kingston, ON, Canada).**

Pedogenesis of late Quaternary deposits, northern Kyonggi Bay, Korea; implications for relative sea-level change and regional stratigraphic correlation: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 220(3-4), p. 387-404, illus. incl. sect., 1 table, sketch map, 61 ref., May 13, 2005.

**59004651**

**U. S., National Research Council, Committee on the Implementation of a Seafloor Observatory Network for Oceanographic Research.**

Enabling ocean research in the 21st Century; implementation of a network of ocean observatories: 195 p., illus., 42 ref., 2003. *Available from:* National Academies Press, Washington, DC, United States. Includes 5 appendices.

**59004652**

**Coakley, Bernard (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK); Chayes, Dale; Proshutinsky, Andrey and Weingartner, Tom.**

Objectives for a cabled observatory in Alaska's Beaufort Sea: **Eos, Transactions, American Geophysical Union**, 86(18), p. 177, 182, May 3, 2005.

**59004653**

**Herget, Jürgen (Universtat Bonn, Geographisches Institut, Bonn, Federal Republic of Germany).**

Reconstruction of Pleistocene ice-dammed lake outburst floods in the Altai Mountains, Siberia: **Special Paper - Geological Society of America**, 386, 118 p., illus. incl. 21 tables, sketch maps, 355 ref., 2005. ISBN: 0-8137-2386-8. Includes appendices.

**59004654**

**Stoker, Martyn (British Geological Survey, Edinburgh, United Kingdom) and Bradwell, Tom.**

The Minch palaeo-ice stream, NW sector of the British-Irish ice sheet: **Journal of the Geological Society of London**, 162, Part 3, p. 425-428, illus. incl. block diags., sects., sketch map, 24 ref., May 2005.

**59004655**

**Valeo, C. (University of Calgary, Department of Geomatics Engineering, Calgary, AB, Canada); Skone, S. H.; Ho, C. L. I.; Poon, S. K. M. and Shrestha, S. M.**

Estimating snow evaporation with GPS derived precipitable water vapour: **Journal of Hydrology**, 307(1-4), p. 196-203, illus. incl. 2 tables, 19 ref., June 9, 2005.

**59004656**

**Kennicutt, Mahlon, II (Texas A&M University, College Station, TX).**

Subglacial environments; focus for a new U. S. research program: **Eos, Transactions, American Geophysical Union**, 86(22), 210 p., May 31, 2005.

**59004657**

**Wright, W. B.**

User manual for the NASA Glenn ice accretion code LEWICE: **NASA Contractor Report**, Rep. No. NASA/CR-2002-211793, 425 p., August 2002. Final report.

**59004658**

**Smith, L. C. (University of California at Los Angeles, Department of Geography, Los Angeles, CA); Sheng, Y.; Macdonald, G. M. and Hinzman, L. D.**  
Disappearing Arctic lakes: **Science**, 308(5727), 1429 p., illus. incl. sketch maps, 7 ref., June 3, 2005.

**59004659**

**Alaska Department of Transportation and Public Facilities, ThomTech Design and U. S., Federal Highway Administration.**  
Optimization of anti-icing and sanding operations via mobile data collision in southeast Alaska: 59 p. 1 disc, December 2003. compact disc *Available from:* National Technical Information Service, Springfield, VA, United States.

**59004660**

**Marescot, Laurent (University of Lausanne, Institute of Geophysics, Lausanne, Switzerland); Loke, M. H.; Chapellier, D.; Delaloye, R.; Lambiel, C. and Reynard, E.**  
Assessing reliability of 2D resistivity imaging in mountain permafrost studies using the depth of investigation index method: **Near Surface Geophysics**, 2003(1), p. 57-67, illus. incl. sketch maps, 37 ref., 2003.

**59004661**

**Peck, Lloyd S. (Natural Environmental Research Council, British Antarctic Survey, Cambridge, United Kingdom); Clark, Melody S.; Clarke, Andrew; Cockell, Charles S.; Convey, Peter; Detrich, H. William, III; Fraser, Keiron P. P.; Johnston, Ian A.; Methe, Barbara A.; Murray, Alison E.; Römisch, Karin and Rogers, Alex D.**  
Genomics; applications to Antarctic ecosystems: **Polar Biology**, 28(5), p. 351-365, illus. incl. 2 tables, sketch map, 143 ref., April 2005.

**59004662**

**Oliveri, Diana (Universita di Genova, Dipartimento di Biologia, Genoa, Italy); Candiani, Simona; Parodi, Manuela; Bertini, Eva and Pestarino, Mario.**  
A serotonergic system in the brain of the Antarctic fish, *Trematomus bernacchii*: **Polar Biology**, 28(5), p. 366-371, illus., 38 ref., April 2005.

**59004663**

**Feder, Howard M. (University of Alaska Fairbanks, Institute of Marine Science, Fairbanks, AK); Jewett, Stephen C. and Blanchard, Arny.**  
Southeastern Chukchi Sea (Alaska) epibenthos: **Polar Biology**, 28(5), p. 402-421, illus. incl. 4 tables, sketch map, 114 ref., April 2005. Includes appendices.

**59004664**

**Joseph, Carl (Natural Environment Research Council, Airborne Research and Survey Facility, Kidlington, United Kingdom).**  
Airborne remote sensing in the frozen North: **Planet Earth**, Winter 2003, p. 20-21, illus., 2003.

**59004665**

**Ridgwell, Andy (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom).**  
Anti-freeze for snowball Earth: **Planet Earth**, Winter 2003, p. 22-23, illus., 2003.

**59004666**

**Takahashi, Shuhei (Kitami Institute of Technology, Kitami, Japan); Kameda, Takao; Enomoto, Hiroyuki; Motoyama, Hideaki and Watanabe, Okitsugu.**

Automatic weather station (AWS) data collected by the 33rd to 42nd Japanese Antarctic Research Expeditions during 1993-2001: **JARE Data Reports**, Rep. No. 276, 416 p., illus. incl. 4 tables, sketch map, 7 ref., March 2004.

**59004667**

**Kizu, Nobuhiko (Japan Meteorological Agency, Tokyo, Japan) and Kamiyama, Kokichi.**

Meteorological and oceanographic data long the traverse routes over sea ice in Lützw-Holm Bay in 2002 (JARE-43): **JARE Data Reports**, Rep. No. 277, 49 p., illus. incl. 11 tables, sketch map, 1 ref., March 2004.

**59004668**

**Hayashi, Masahiko (Fukuoka University, Fukuoka, Japan); Sudo, Masaki; Shiraishi, Kouichi; Hirasawa, Naohiko; Yamanouchi, Takashi; Shibata, Takashi; Iwasaka, Yasunobu; Nagatani, Masahiro and Nakada, Akira.**

Data of project on atmospheric circulation and material cycle in the Antarctic; Part 3, Backscattering properties of tropospheric clouds and aerosols observed by a lidar at Dome Fuji Station in 1997: **JARE Data Reports**, Rep. No. 278, 105 p., illus. incl. 2 tables, 5 ref., March 2004.

**59004669**

**Whitney, Bradley & Brown.**

Naval operations in an ice free Arctic: 46 p., illus., 2001. *Available from:* Office of Naval Research, Washington, DC, United States; Naval Ice Center, United States; Oceanographer of the Navy, United States; Arctic Research Commission, United States. includes 4 appendices; final report of the Naval operations in an ice-free Arctic symposium, April 17-18, 2001. <http://www.natice.noaa.gov/icefree/FinalArcticReport.pdf>

**59004670**

**Canadian Directorate of Defense.**

Arctic capabilities study: Rep. No. 1948-3-CC4C(DGSP), 26 p., June 2000. *Available from:* Canadian Directorate of Defence, Canada.

**59004671**

**Seibel, Brad A. (Monterey Bay Aquarium Research Institute, Moss Landing, CA) and Dierssen, Heidi M.**

Cascading trophic impacts of reduced biomass in the Ross Sea, Antarctica; just the tip of the iceberg?: **The Biological Bulletin**, 205(2), p. 93-97, illus. incl. 1 table, sketch map, 33 ref., October 2003.

<http://www.biobull.org/cgi/reprint/205/2/93>

**59004672**

**Kaempfer, T. U. (Swiss Federal Institute for Snow and Avalanche Research SLF, WSL, Davos, Switzerland); Sokratov, S. A. and Schneebeli, Martin.**

The effect of the structural evolution of snow on heat transfer: *in* Proceedings of the 3rd international symposium on Two-phase flow modeling and experimentation (Celata, G. P., editor; *et al.*), **Proceedings - International Symposium on Two-Phase Flow Modelling and Experimentation**, 3, 5 p., illus., 20 ref., 2004. compact disc. *Meeting:* Sept. 22-24, 2004, Pisa, Italy.

**59004673**

**Lindberg, Bjorn (University of Tromso, Department of Geology, Tromso, Norway) and Mienert, Jürgen.**

Postglacial carbonate production by cold-water corals on the Norwegian Shelf and their role in the global carbonate budget: **Geology (Boulder)**, 33(7), p. 537-540, illus. incl. sketch map, 46 ref., July 2005.

**59004674**

**Stern, Robert J. (University of Texas at Dallas, Geosciences Department, Richardson, TX).**

Evidence from ophiolites, blueschists, and ultrahigh-pressure metamorphic terranes that the modern episode of subduction tectonics began in Neoproterozoic time: **Geology (Boulder)**, 33(7), p. 557-560, 52 ref., July 2005. Univ. Tex. at Dallas, Geosci. Contrib. No. 1043.

**59004675**

**Saltzman, Matthew R. (Ohio State University, Department of Geological Sciences, Columbus, OH).**

Phosphorus, nitrogen, and the redox evolution of the Paleozoic oceans: **Geology (Boulder)**, 33(7), p. 573-576, illus. incl. strat. col., sketch map, 42 ref., July 2005. With GSA Data Repository Item 2005114.

**59004676**

**Carey, John S. (University of Texas-Pan American, Department of Physics and Geology, Edinburg, TX); Sheridan, Robert E.; Ashley, Gail M. and Uptegrove, Jane.**

Glacially-influenced late Pleistocene stratigraphy of a passive margin; New Jersey's record of the North American ice sheet: **Marine Geology**, 218(1-4), p. 155-173, illus. incl. sects., sketch map, 61 ref., June 30, 2005.

**59004677**

**Ottesen, Dag (Geological Survey of Norway, Trondheim, Norway); Rise, Leif; Knies, Jochen; Olsen, Lars and Henriksen, Sverre.**

The Vestfjorden-Traenadjupet palaeo-ice stream drainage system, mid-Norwegian continental shelf: **Marine Geology**, 218(1-4), p. 175-189, illus. incl. sect., geol. sketch map, 43 ref., June 30, 2005.

**59004678**

**Sartori, M. (Via Pisoni 2, Ascona, Switzerland); Evans, M. E.; Heller, F.; Tsatskin, A. and Han, J. M.**

The last glacial/interglacial cycle at two sites in the Chinese Loess Plateau; mineral magnetic, grain-size and <sup>10</sup>Be measurements and estimates of palaeoprecipitation: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 222(1-2), p. 145-160, illus. incl. sects., sketch map, 33 ref., June 21, 2005.

**59004679**

**Stethem, Chris, editor.**

ISSW 2002; international snow science workshop: **Cold Regions Science and Technology**, 37(3), p. 213-486, November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada. Individual papers are cited separately.

**59004680**

**Miller, Dan A. (U. S. Air Force Academy, Department of Astronautics, Colorado Springs, CO); Adams, E. E. and Brown, R. L.**

A microstructural approach to predict dry snow metamorphism in generalized thermal conditions: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 213-226, illus. incl. 1 table, 27 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004681**

**Denoth, Armin (University of Innsbruck, Institute of Experimental Physics, Innsbruck, Austria).**

Structural phase changes of the liquid water component in alpine snow: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 227-232, illus., 10 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004682**

**Schweizer, Jürg (Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland) and Jamieson, J. Bruce.**

Snowpack properties for snow profile analysis: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 233-241, illus. incl. 3 tables, 20 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004683**

**Rosenthal, Walter (University of California, Donald Bren School of Environmental Science and Management, Santa Barbara, CA) and Elder, Kelly.**

Evidence of chaos in slab avalanching: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 243-253, illus., 19 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004684**

**Hägeli, Pascal (University of British Columbia, Atmospheric Science Program, Vancouver, BC, Canada) and McClung, David M.**

Avalanche characteristics of a transitional snow climate; Columbia Mountains, British Columbia, Canada: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 255-276, illus. incl. 6 tables, sketch maps, 22 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004685**

**Schweizer, Jürg (Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland); Kronholm, Kalle and Wiesinger, Thomas.**

Verification of regional snowpack stability and avalanche danger: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 277-288, illus. incl. 2 tables, 21 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004686**

**Harper, Joel T. (University of Colorado, Institute of Arctic and Alpine Research, Laramie, WY) and Bradford, John H.**

Snow stratigraphy over a uniform depositional surface; spatial variability and measurement tools: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 289-298, illus., 22 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004687**

**McCollister, Chris (Montana State University, Earth Sciences Department, Teton Village, WY); Birkeland, Karl; Hansen, K.; Aspinall, R. and Comey, R.**

Exploring multi-scale spatial patterns in historical avalanche data, Jackson Hole Mountain Resort, Wyoming: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 299-313, illus. incl. 1 table, 32 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004688**

**Hebertson, Elizabeth G. (U. S. Department of Agriculture, Forest Service, Ogden, UT) and Jenkins, Michael J.**

Historic climate factors associated with major avalanche years on the Wasatch Plateau, Utah: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 315-332, illus. incl. 1 table, 71 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004689**

**Floyer, James A. (University of British Columbia, Department of Geography, Vancouver, BC, Canada) and McClung, David M.**

Numerical avalanche prediction; Bear Pass, British Columbia, Canada: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 333-342, illus. incl. 5 tables, 15 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004690**

**Purves, R. S. (University of Zurich, Department of Geography, Zurich, Switzerland); Morrison, K. W.; Moss, G. and Wright, D. S. B.**

Nearest neighbours for avalanche forecasting in Scotland; development, verification and optimisation of a model: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 343-355, illus. incl. 7 tables, 28 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004691**

**Kozak, Mark C. (Colorado State University, Department of Earth Resources, Fort Collins, CO); Elder, Kelly; Birkeland, Karl and Chapman, Phillip.**

Variability of snow layer hardness by aspect and prediction using meteorological factors: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 357-371, illus. incl. 14 tables, 18 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004692**

**Chalmers, Thomas S. (Mt. Revelstoke and Glacier National Parks, Revelstoke, Canada) and Jamieson, J. Bruce.**

A snow-profile-based forecasting model for skier-triggered avalanches on surface hoar layers in the Columbia Mountains of Canada: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 373-383, illus. incl. 6 tables, 26 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004693**

**Ozeki, Toshihiro (Hokkaido University of Education, Iwamizawa, Japan); Kose, Katsumi; Haishi, Tomoyuki; Nakatsubo, Shun-ichi; Nishimura, Kouichi and Hochikubo, Akihiro.**

Three-dimensional MR microscopy of snowpack structures: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 385-391, illus., 9 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004694**

**Pielmeier, Christine (Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland) and Schneebeli, Martin.**

Stratigraphy and changes in hardness of snow measured by hand, ramsonde and snow micro penetrometer; a comparison with planar sections: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 393-405, illus. incl. 3 tables, 27 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004695**

**Maggioni, M. (Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland) and Gruber, U.**

The influence of topographic parameters on avalanche release dimension and frequency: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 407-419, illus. incl. 2 tables, sketch maps, 12 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004696**

**Miller, Dan A. (U. S. Air Force Academy, Department of Astronautics, Colorado Springs, CO); Adams, E. E.; Schmidt, D. S. and Brown, R. L.**

Preliminary experimental evidence of heating at the running surface of avalanching snow: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 421-427, illus. incl. 1 table, 5 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004697**

**Schweizer, Jürg (Swiss Federal Institute for Snow and Avalanche Research SLF, Davos, Switzerland) and Krüsi, Georges.**

Testing the performance of avalanche transceivers: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 429-438, illus. incl. 6 tables, 13 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004698**

**Gruber Schmid, Urs (Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland) and Sardemann, Stefanie.**

High-frequency avalanches; release area characteristics and run-out distances: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 439-451, illus. incl. 1 table, 13 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004699**

**Kronholm, Kalle (Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland) and Schweizer, Jürg.**

Snow stability variation on small slopes: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 453-465, illus. incl. 6 tables, 28 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004700**

**Margreth, Stefan (Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland); Stoffel, Lukas and Wilhelm, Christian.**

Winter opening of high alpine pass roads; analysis and case studies from the Swiss Alps: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 467-482, illus. incl. 10 tables, 16 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004701**

**Takeuchi, Yukari (Forestry and Forest Products Research Institute, Tohkamachi, Japan); Yamanoi, K.; Endo, Y.; Murakami, S. and Izumi, K.**

Velocities for the dry and wet snow avalanches at Makunosawa Valley in Myoko, Japan: *in* ISSW 2002; international snow science workshop (Stethem, Chris, editor), **Cold Regions Science and Technology**, 37(3), p. 483-486, illus., 8 ref., November 2003. *Meeting*: Sept. 29-Oct. 4, 2002, Penticton, BC, Canada.

**59004702**

**Bartelt, Perry (Swiss Federal Institute for Snow and Avalanche Research (SLF), Davos, Switzerland) and Naaim-Bouvet, Florence, editors.**

Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm: **Cold Regions Science and Technology**, 39(2-3), p. 81-274, October 2004. *Meeting*: April, 2003, Nice, France. Individual papers are cited separately.

**59004703**

**Salm, Bruno (Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland).**

A short and personal history of snow avalanche dynamics: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 83-92, 38 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004704**

**Corripio, Javier G. (Meteo-France, Centre d'Etudes de la Neige, Saint Martin d'Heres, France); Durand, Yves; Guyomarc'h, Gilbert; Mérindol, Laurent; Lecorps, Dominique and Pugliése, Philippe.**

Land-based remote sensing of snow for the validation of a snow transport model: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 93-104, illus., 36 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004705**

**Singh, Amreek (Snow and Avalanche Study Establishment, Chandigarh, India) and Ganju, Ashwagosa.**

A supplement to nearest-neighbour method for avalanche forecasting: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 105-113, illus. incl. 4 tables, 14 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004706**

**Sampl, Peter (AVL List GmbH, Graz, Austria); Naaim-Bouvet, Florence and Naaim, Mohamed.**

Interaction between dams and powder avalanches; determination of simple friction laws for shallow water avalanche models: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 115-131, illus. incl. 3 tables, 27 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004707**

**Kosugi, Kenji (National Research Institute for Earth Science and Disaster Prevention, Snow and Ice Research Group, Shinjo, Japan); Sato, Takeshi and Sato, Atsushi.**

Dependence of drifting snow saltation lengths on snow surface hardness: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 133-139, illus., 21 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004708**

**Faug, Thierry (Cemagref Grenoble, Saint-Martin d'Héres, France); Naaim, Mohamed and Naaim-Bouvet, Florence.**

An equation for spreading length, center of mass and maximum run-out shortenings of dense avalanche flows by vertical obstacles: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 141-151, illus. incl. 2 tables, 20 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004709**

**Vallet, J. (EPF Laboratory of Photogrammetry, Lausanne, Switzerland); Turnbull, B.; Joly, S. and Dufour, F.**

Observations on powder snow avalanches using videogrammetry: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 153-159, illus., 11 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004710**

**Ancey, Christophe (École Polytechnique Fédérale de Lausanne, Laboratoire d'Hydraulique Environnementale, Lausanne, Switzerland); Gervasoni, Christian and Meunier, Maurice.**

Computing extreme avalanches: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 161-180, illus. incl. 4 tables, 54 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004711**

**Kern, M. A. (Eidgenössisches Institut für Schnee-und Lawinenforschung, Davos, Switzerland); Tiefenbacher, F. and McElwaine, J. N.**

The rheology of snow in large chute flows: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 181-192, illus. incl. 3 tables, 28 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004712**

**Naaim, Mohamed (Cemagref, Saint Martin d'Hères, France); Naaim-Bouvet, Florence; Faug, Thierry and Bouchet, Alexi.**

Dense snow avalanche modeling; flow, erosion, deposition and obstacle effects: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 193-204, illus., 15 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004713**

**Landry, C. (Montana State University, Department of Earth Sciences, Silverton, CO); Birkeland, Karl; Hansen, K.; Borkowski, J.; Brown, R. L. and Aspinall, R.**

Variations in snow strength and stability on uniform slopes: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 205-218, illus. incl. 2 tables, 31 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004714**

**Bartelt, Perry (Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland); Buser, Othmar and Sokratov, Sergey A.**

A nonequilibrium treatment of heat and mass transfer in alpine snowcovers: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 219-242, illus. incl. 3 tables, 45 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004715**

**Chaudhary, Vinay (Snow and Avalanche Study Establishment, Chandigarh, India) and Mathur, Praveen.**

Composite avalanche control scheme developed for the lower Himalayan zone; a case history: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 243-255, illus. incl. 6 tables, 10 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004716**

**Primus, M. (Cemagref, Saint-Martin d'Hères, France); Naaim-Bouvet, Florence; Naaim, Mohamed and Faug, Thierry.**

Physical modeling of the interaction between mounds or deflecting dams and powder snow avalanches: *in* Snow and avalanches; papers presented at the European Geophysical Union conference, dedicated to the avalanche dynamics pioneer Dr. B. Salm (Bartelt, Perry, editor; *et al.*), **Cold Regions Science and Technology**, 39(2-3), p. 257-267, illus. incl. 2 tables, 19 ref., October 2004. *Meeting*: April, 2003, Nice, France.

**59004717**

**Stephenson, M. H. (British Geological Survey, Keyworth, United Kingdom); Leng, M. J.; Vane, C. H.; Osterloff, P. L. and Arrowsmith, C.**

Investigating the record of Permian climate change from argillaceous sedimentary rocks, Oman: **Journal of the Geological Society of London**, 162(4), p. 641-651, illus. incl. sects., 2 tables, sketch map, 38 ref., July 2005.

**59004718**

**Davis, Curt H. (University of Missouri at Columbia, Department of Electrical and Computer Engineering, Columbia, MO); Li, Yonghong; McConnell, Joseph R.; Frey, Markus M. and Hanna, Edward.**

Snowfall-driven growth in East Antarctic ice sheet mitigates recent sea-level rise: **Science**, 308(5730), p. 1898-1901, illus. incl. sketch maps, 28 ref., June 24, 2005.

**59004719**

**Vaughan, David G. (British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom).**

How does the Antarctic ice sheet affect sea level rise?: **Science**, 308(5730), p. 1877-1878, sketch map, 12 ref., June 24, 2005.

**59004720**

**Lawrence, K. T. (Brown University, Department of Geological Sciences, Providence, RI) and Herbert, T. D.**

Late Quaternary sea-surface temperatures in the western Coral Sea; implications for the growth of the Australian Great Barrier Reef: **Geology (Boulder)**, 33(8), p. 677-680, illus., 22 ref., August 2005. With GSA Data Repository Item 2005126.

**59004721**

**Masson-Delmotte, Valerie** (CEA Saclay, IPSL/Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France); **Jouzel, J.; Landais, A.; Stievenard, M.; Johnsen, S. J.; White, J. W. C.; Werner, M.; Sveinbjornsdottir, A. and Fuhrer, K.**

GRIP deuterium excess reveals rapid and orbital-scale changes in Greenland moisture origin: *Science*, 309(5731), p. 118-121, illus. incl. 1 table, 45 ref., July 1, 2005.

**59004723**

**Butler, David R.** (Texas State University, Department of Geography, San Marcos, TX); **Malanson, George P. and Resler, Lynn M.**

Turf-banked terrace treads and risers, turf exfoliation and possible relationships with advancing treeline: *Catena* (Giessen), 58(3), p. 259-274, illus. incl. 7 tables, sketch map, 54 ref., December 10, 2004.

**59004724**

**Boucsein, Bettina** (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany).

Organic carbon in late Quaternary sediments; responses to paleoenvironmental changes in the Laptev and Kara seas (Arctic Ocean): *Berichte zur Polarforschung, Bremerhaven*, 365, 103 p., illus. incl. tables, strat. cols., sketch maps, 143 ref., 2000.

**59004725**

**Stevens, P. R.** (Lincoln College, Lincoln, New Zealand).

A chronosequence of soils and vegetation near the Franz Josef Glacier: 160 p., illus. incl. 15 tables, Master's, 1963, Lincoln College, Lincoln. Includes 5 appendices.

**59004726**

**Jia Guodong** (Chinese Academy of Sciences, Guangzhou Institute of Geochemistry, Guangzhou, China); **Jian Zhimin; Peng Ping'an; Wang Pinxian and Fu Jiamo.**

Biogenic silica records in Core 17962 from the southern South China Sea and their relation to paleo-oceanographic events: *Diqiu Huaxue = Geochimica*, 29(3), p. 293-296, (Chinese) (English sum.), illus. incl. 1 table, 15 ref., May 2000.

**59004727**

**Burnhill, Tim.**

Wishing well: *New Scientist* (1971), 173(2324), p. 16-19, illus., January 5, 2002.

**59004728**

**Halverson, Galen P.** (Harvard University, Department of Earth and Planetary Sciences, Cambridge, MA); **Hoffman, Paul F.; Schrag, Daniel P. and Kaufman, Alan J.**

A major perturbation of the carbon cycle before the Ghaub glaciation (Neoproterozoic) in Namibia; prelude to snowball Earth?: *Geochemistry, Geophysics, Geosystems - G<sup>3</sup>*, 3(6), 16 p., illus. incl. strat. cols., sect., sketch map, 98 ref., June 27, 2002. WWW. Accessed on Nov. 12, 2002.

**59004729**

**Schrag, Daniel P. (Harvard University, Department of Earth and Planetary Sciences, Cambridge, MA); Berner, Robert A.; Hoffman, Paul F. and Halverson, Galen P.**

On the initiation of a snowball Earth: **Geochemistry, Geophysics, Geosystems - G<sup>3</sup>**, 3(6), 20 p., illus., 73 ref., June 27, 2002. WWW. Accessed on Nov. 12, 2002; includes appendices.

**59004730**

**Weis, Dominique (Université Libre de Bruxelles, Département des Sciences de la Terre et de l'Environnement, Brussels, Belgium); Frey, Frederick A.; Schlich, Roland; Schaming, Marc; Montigny, Raymond; Damasceno, Dimitri; Mattielli, Nadine; Nicolaysen, Kirsten E. and Scoates, James S.**

Trace of the Kerguelen mantle plume; evidence from seamounts between the Kerguelen Archipelago and Heard Island, Indian Ocean: **Geochemistry, Geophysics, Geosystems - G<sup>3</sup>**, 3(6), 16 p., illus. incl. 3 tables, sketch maps, 85 ref., June 20, 2002. WWW. Accessed on Nov. 12, 2002.

**59004731**

**Brovkin, Victor (Potsdam Institute for Climate Impact Research, Potsdam, Federal Republic of Germany); Hofmann, Matthias; Bendtsen, Jorgen and Ganopolski, Andrey.**

Ocean biology could control atmospheric  $\delta^{13}\text{C}$  during glacial-interglacial cycle: **Geochemistry, Geophysics, Geosystems - G<sup>3</sup>**, 3(5), 12 p., illus. incl. 2 tables, 65 ref., May 22, 2002. WWW. Accessed on Nov. 13, 2002; includes appendices.

**59004732**

**Kalnina, Laimdota (Geological Survey of Latvia, Riga, Latvia); Juskevics, Valdis and Seglins, Valdis.**

Pleistocene stratigraphy at the Zidini site, southeastern Latvia: *in* Landscapes and life; studies in honour of Urve Miller (Robertsson, Ann-Marie, editor; *et al.*), **PACT (Strasbourg)**, 50, p. 31-40, illus. incl. sect., sketch maps, 9 ref., 1996. *Meeting*: PACT mini-symposium, Sept. 9, 1995, Sweden.

**59004733**

**Seiriene, Vaida (Institute of Geology, Department of Quaternary Geology, Vilnius, Lithuania) and Sinkunas, Petras.**

Pleistocene stratigraphy in the Utena region, eastern Lithuania: *in* Landscapes and life; studies in honour of Urve Miller (Robertsson, Ann-Marie, editor; *et al.*), **PACT (Strasbourg)**, 50, p. 41-48, illus. incl. strat. cols., sketch map, 10 ref., 1996. *Meeting*: PACT mini-symposium, Sept. 9, 1995, Sweden.

**59004734**

**Ambrosiani, Karin García (Stockholm University, Department of Quaternary Research, Stockholm, Sweden).**

Modern distribution of exotic conifers in the Swedish Holsteinian interglacial forests: *in* Landscapes and life; studies in honour of Urve Miller (Robertsson, Ann-Marie, editor; *et al.*), **PACT (Strasbourg)**, 50, p. 49-57, sketch maps, 24 ref., 1996. *Meeting*: PACT mini-symposium, Sept. 9, 1995, Sweden.

**59004735**

**Gaigalas, Algirdas (Vilnius University, Department of Geology and Mineralogy, Vilnius, Lithuania) and Hutt, Galina.**

OSL dating of the Merkine (Eem) Interglacial (in Jonionys) and the Nemunas glaciation (Rokai section) in Lithuania: *in* Landscapes and life; studies in honour of Urve Miller (Robertsson, Ann-Marie, editor; *et al.*), **PACT (Strasbourg)**, 50, p. 59-69, chart, strat. col., 3 tables, sketch map, 23 ref., 1996. *Meeting*: PACT mini-symposium, Sept. 9, 1995, Sweden.

**59004736**

**Morner, N. A. (Geol. Inst., Stockholm, Sweden).**

Paleoclimatology of the last 150,000 years in the North Atlantic and Nordic region: *in* Late Quaternary stratigraphy in the Nordic countries 150,000-15,000 BP (Andersen, B. G., editor; *et al.*), **Striae**, 34, p. 47-52, illus., 19 ref., 1991. *Meeting*: Late Quaternary stratigraphy in Norden 150,000-15,000 BP, 1988, Uppsala, Sweden.

**59004737**

**Neonen, K. (Geological Survey of Finland, Kuopio, Finland); Eriksson, B. and Gronlund, T.**

The till stratigraphy of Ostrobothnia, western Finland, with reference to new Eemian Interglacial sites: *in* Late Quaternary stratigraphy in the Nordic countries 150,000-15,000 BP (Andersen, B. G., editor; *et al.*), **Striae**, 34, p. 65-76, illus. incl. strat. cols., 1 p. ref., 1991. *Meeting*: Late Quaternary stratigraphy in Norden 150,000-15,000 BP, 1988, Uppsala, Sweden.

**59004738**

**Punkari, M. (FERG, Kirkkonummi, Finland).**

Old organic matter inside glacial deposits in Finland; sedimentation models: *in* Late Quaternary stratigraphy in the Nordic countries 150,000-15,000 BP (Andersen, B. G., editor; *et al.*), **Striae**, 34, p. 77-83, illus., 21 ref., 1991. *Meeting*: Late Quaternary stratigraphy in Norden 150,000-15,000 BP, 1988, Uppsala, Sweden.

**59004739**

**Bergersen, O. F. (Univ. Bergen, Geol. Inst., Norway); Thoresen, M. and Hougsnaes, R.**

Evidence for a newly discovered Weichselian interstadial in Gudbrandsdalen, central South Norway: *in* Late Quaternary stratigraphy in the Nordic countries 150,000-15,000 BP (Andersen, B. G., editor; *et al.*), **Striae**, 34, p. 103-108, illus., 11 ref., 1991. *Meeting*: Late Quaternary stratigraphy in Norden 150,000-15,000 BP, 1988, Uppsala, Sweden.

**59004740**

**Lauritzen, S. E. (Univ. Bergen, Dep. Geol., Bergen, Norway).**

Uranium series dating of speleothems; a glacial chronology for Nordland, Norway for the last 600 ka: *in* Late Quaternary stratigraphy in the Nordic countries 150,000-15,000 BP (Andersen, B. G., editor; *et al.*), **Striae**, 34, p. 127-133, illus. incl. 1 table, 19 ref., 1991. *Meeting*: Late Quaternary stratigraphy in Norden 150,000-15,000 BP, 1988, Uppsala, Sweden.

**59004741**

**Funder, S. (Geol. Museum, Copenhagen, Denmark).**

The last interglacial/glacial cycle in Greenland; new perspectives: *in* Late Quaternary stratigraphy in the Nordic countries 150,000-15,000 BP (Andersen, B. G., editor; *et al.*), **Striae**, 34, p. 141-144, illus., 1 p. ref., 1991. *Meeting*: Late Quaternary stratigraphy in Norden 150,000-15,000 BP, 1988, Uppsala, Sweden.

**59004742**

**Odasz, A. M. (Univ. Tromso, Inst. Biol. Geol., Tromso, Norway).**

Distribution and ecology of herbaceous *Pedicularis dasyantha* (Scrophulariaceae) in Spitsbergen, Svalbard Archipelago; relation to present and past environments: *in* Late Quaternary stratigraphy in the Nordic countries 150,000-15,000 BP (Andersen, B. G., editor; *et al.*), **Striae**, 34, p. 145-152, illus., 2 p. ref., 1991. *Meeting*: Late Quaternary stratigraphy in Norden 150,000-15,000 BP, 1988, Uppsala, Sweden.

**59004743**

**Mathews, W. H.**

Surficial geology of Charlie Lake map-area, British Columbia: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 284, 1 sheet, surficial geology map, 1:250,000, 1975.

**59004744**

**Barnett, D. M.; Dredge, L. A.; Edlund, S. A.; Prevett, L. S. and Thomas, D. C.**

Terrain classification and evaluation of eastern Melville Island, Northwest Territories: **Open-File Report - Geological Survey of Canada**, Rep. No. 252, 1318 p., illus. incl. surficial geology map, 1:125,000, 15 ref., 1975. Two volumes of encyclopedic text keyed to maps.

**59004745**

**Allen, Charles E. (University of Illinois, Department of Geography, Urbana, IL).**

The influence of schistosity on soil weathering on large boulder tops, Karkevagge, Sweden: *in* The interpretation and significance of weathering mantles (Smith, Bernard J., editor; *et al.*), **Catena (Giessen)**, 49(1-2), p. 157-169, illus. incl. 3 tables, sketch maps, 30 ref., August 31, 2002. *Meeting*: First international weathering conference, 2000, International.

**59004746**

**Outridge, P. M. (Geological Survey of Canada, Ottawa, ON, Canada); Hermanson, M. H. and Lockhart, W. L.**

Regional variations in atmospheric deposition and sources of anthropogenic lead in lake sediments across the Canadian Arctic: **Geochimica et Cosmochimica Acta**, 66(20), p. 3521-3531, illus. incl. 1 table, sketch map, 43 ref., October 2002.

**59004747**

**Lynch-Stieglitz, Jean (Lamont-Doherty Earth Observatory, Palisades, NY); Curry, William B.; Slowey, Niall and Schmidt, Gavin A.**

The overturning circulation of the glacial Atlantic; a view from the top: *in* Reconstructing ocean history; a window into the future (Abrantes, Fatima, editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 7-31, illus. incl. 2 tables, sketch map, 64 ref., 1999. *Meeting*: 6th international conference on Paleoceanography (ICP VI), Aug. 23-28, 1998, Lisbon, Portugal. Lamont-Doherty Earth Obs., Contrib. No. 5988; Woods Hole Oceanogr. Inst., Contrib. No. 10045.

**59004748**

**Schneider, Ralph R. (Universität Bremen, Fachbereich Geowissenschaften, Bremen, Federal Republic of Germany); Müller, Peter J. and Acheson, Ruth.**

Atlantic alkenone sea-surface temperature records; low versus mid latitudes and differences between hemispheres: *in* Reconstructing ocean history; a window into the future (Abrantes, Fatima, editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 33-55, illus. incl. 1 table, sketch map, 94 ref., 1999. *Meeting*: 6th international conference on Paleoceanography (ICP VI), Aug. 23-28, 1998, Lisbon, Portugal.

**59004749**

**Labeyrie, Laurent (CNRS-CEA, Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France) and Elliot, Mary.**

Abrupt climatic changes; causes and consequences; an introduction: *in* Reconstructing ocean history; a window into the future (Abrantes, Fatima, editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 73-81, 67 ref., 1999. *Meeting*: 6th international conference on Paleoceanography (ICP VI), Aug. 23-28, 1998, Lisbon, Portugal.

**59004754**

**Jonsson, Jon.**

Poas og Katla [Poas and Katla]: *Naturufraedingurinn*, 70(4), p. 231-234, illus., 4 ref., 2002.

**59004755**

**Harrison, s. J. (University of Stirling, Department of Environmental Science, Stirling, United Kingdom); Winterbottom, S. J. and Johnson, R. C.**

A preliminary assessment of the socio-economic and environmental impacts of recent changes in winter snow cover in Scotland: *Scottish Geographical Journal*, 117(4), p. 297-312, illus. incl. 4 tables, geol. sketch map, 29 ref., 2001.

**59004756**

**Ballantyne, Colin K. (University of St. Andrews, School of Geography and Geosciences, Fife, United Kingdom).**

The sorted stone stripes of Tinto Hill: *Scottish Geographical Journal*, 117(4), p. 313-324, illus. incl. geol. sketch map, block diag., 22 ref., 2001.

**59004757**

**Wahl, Petra (Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung, Potsdam, Federal Republic of Germany).**

Messung und Charakterisierung laminarer Ozeonstrukturen in der polaren Stratosphäre [Observation and characterization of laminated ozone structures in the polar stratosphere]: **Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research**, 411, 143 p. (English sum.), illus. incl. 2 tables, 138 ref., Doctoral, 2002, Alfred Wegener Institute for Polar and Marine Research, Bremerhaven.

**59004758**

**Shubalov, Iu. V. (Sankt-Peterburgskii Gosudarstvennyi Gornyy Institut, Gornyy Fakul'tet, Saint Petersburg, Russian Federation) and Il'ina, E. A.**

Puti resheniia problemy zagryazneniia gruntov zhidkimi uglevodorodami na territoriiakh gornykh predshriatii [Solving problems of soil hydrocarbon pollution affected by oil and gas field development and oil storage]: *in* Poleznye iskopaemye Rossii i ikh osvoenie, **Zapiski**

**Leningradskogo, Ordena Lenina, Ordena Oktyabr'skoi Revolyutsii i Ordena Trudovogo Krasnogo Znameni Gornogo Instituta im G.V. Plekhanova**, 152, p. 99-102 (English sum.), 4 ref., 2002. *Meeting*: Ezhegodnaia konferentsiia molodykh uchenykh, April 2-20, 2002, Saint Petersburg, Russian Federation.

**59004759**

**Anonymous.**

Norway tackles greenhouse gas emissions head on: **Petroleum Review (London, 1968)**, 56(665), p. 28-30, illus., June 2002.

**59004760**

**Whitaker, Andrew (University of British Columbia, Department of Forest Resources Management, Vancouver, BC, Canada); Alila, Younes; Beckers, Jos and Toews, Dave.**

Application of the distributed hydrology soil vegetation model to Redfish Creek, British Columbia; model evaluation using internal catchment data: *in* Runoff generation and implications for river basin modelling (Uhlenbrook, Stefan, editor; *et al.*), **Hydrological Processes**, 17(2), p. 199-224, illus. incl. 7 tables, sketch map, 67 ref., February 15, 2003. *Meeting*: Oct. 9-12, 2000, Freiburg, Federal Republic of Germany.

**59004761**

**Lischeid, Gunnar (University of Bayreuth, Department of Hydrogeology, Bayreuth, Federal Republic of Germany) and Uhlenbrook, Stefan.**

Checking a process-based catchment model by artificial neural networks: *in* Runoff generation and implications for river basin modelling (Uhlenbrook, Stefan, editor; *et al.*), **Hydrological Processes**, 17(2), p. 265-277, illus. incl. 2 tables, 53 ref., February 15, 2003. *Meeting*: Oct. 9-12, 2000, Freiburg, Federal Republic of Germany.

**59004762**

**Gurtz, Joachim (Swiss Federal Institute of Technology (ETH) Zurich, Institute for Atmosphere and Climate Science, Zurich, Switzerland); Zappa, Massimiliano; Jasper, Karsten; Lang, Herbert; Verbunt, Mark; Badoux, Alexandre and Vitvar, Tomas.**

A comparative study in modelling runoff and its components in two mountainous catchments: *in* Runoff generation and implications for river basin modelling (Uhlenbrook, Stefan, editor; *et al.*), **Hydrological Processes**, 17(2), p. 297-311, illus. incl. 2 tables, sketch map, 26 ref., February 15, 2003. *Meeting*: Oct. 9-12, 2000, Freiburg, Federal Republic of Germany.

**59004763**

**Koivusalo, Harri (Helsinki University of Technology, Laboratory of Water Resources, Espoo, Finland) and Kokkonen, Teemu.**

Modelling runoff generation in a forested catchment in southern Finland: *in* Runoff generation and implications for river basin modelling (Uhlenbrook, Stefan, editor; *et al.*), **Hydrological Processes**, 17(2), p. 313-328, illus. incl. 3 tables, sketch map, 40 ref., February 15, 2003. *Meeting*: Oct. 9-12, 2000, Freiburg, Federal Republic of Germany.

**59004764**

**Dunn, Sarah M. (Macaulay Land Use Research Institute, Aberdeen, United Kingdom); Soulsby, Chris and Lilly, Allan.**

Parameter identification for conceptual modelling using combined behavioural knowledge: *in* Runoff generation and implications for river basin modelling (Uhlenbrook, Stefan, editor; *et al.*), **Hydrological Processes**, 17(2), p. 329-343, illus. incl. 5 tables, 22 ref., February 15, 2003. *Meeting*: Oct. 9-12, 2000, Freiburg, Federal Republic of Germany.

**59004765**

**Soulsby, Chris (University of Aberdeen, Department of Geography and Environment, Aberdeen, United Kingdom) and Dunn, Sarah M.**

Towards integrating tracer studies in conceptual rainfall-runoff models; recent insights from a sub-arctic catchment in the Cairngorm Mountains, Scotland: *in* Runoff generation and implications for river basin modelling (Uhlenbrook, Stefan, editor; *et al.*), **Hydrological Processes**, 17(2), p. 403-416, illus. incl. 1 table, sketch map, 44 ref., February 15, 2003. *Meeting*: Oct. 9-12, 2000, Freiburg, Federal Republic of Germany.

**59004766**

**Piotrowski, Jan A. (University of Aarhus, Department of Earth Sciences, Aarhus, Denmark); Larsen, Nicolaj K. and Junge, Frank W.**

Reflections on soft subglacial beds as a mosaic of deforming and stable spots: **Quaternary Science Reviews**, 23(9-10), p. 993-1000, illus., 72 ref., May 2004.

**59004767**

**Wunsch, Carl (Massachusetts Institute of Technology, Department of Earth, Atmospheric and Planetary Sciences, Cambridge, MA).**

Quantitative estimate of the Milankovitch-forced contribution to observed Quaternary climate change: **Quaternary Science Reviews**, 23(9-10), p. 1001-1012, illus., 33 ref., May 2004.

**59004768**

**Parizek, Byron R. (Pennsylvania State University, Department of Geosciences, University Park, PA) and Alley, Richard B.**

Implications of increased Greenland surface melt under global-warming scenarios; ice-sheet simulations: **Quaternary Science Reviews**, 23(9-10), p. 1013-1027, illus. incl. 5 tables, sketch map, 67 ref., May 2004.

**59004769**

**Robert, C. (Université d'Aix Marseille, Processus et Bilans des Domaines Sédimentaires, Marseille, France).**

Late Quaternary variability of precipitation in Southern California and climatic implications; clay mineral evidence from the Santa Barbara Basin, ODP Site 893: **Quaternary Science Reviews**, 23(9-10), p. 1029-1040, illus. incl. sketch map, 44 ref., May 2004.

**59004770**

**Taylor, Steve P. (University of Reading, Department of Meteorology, Reading, United Kingdom); Haywood, Alan M.; Valdes, Paul J. and Sellwood, Bruce W.**

An evaluation of two spatial interpolation techniques in global sea-surface temperature reconstructions; last glacial maximum and Pliocene case studies: **Quaternary Science Reviews**, 23(9-10), p. 1041-1051, illus., 36 ref., May 2004.

**59004771**

**Fleming, Kevin (GeoForschungsZentrum Potsdam, Department of Geodesy and Remote Sensing, Potsdam, Federal Republic of Germany) and Lambeck, Kurt.**

Constraints on the Greenland ice sheet since the last glacial maximum from sea-level observations and glacial-rebound models: **Quaternary Science Reviews**, 23(9-10), p. 1053-1077, illus. incl. 3 tables, sketch maps, 65 ref., May 2004.

**59004772**

**Peacock, J. D. (18 McLaren Road, Edinburgh, United Kingdom).**

Consistently large marine reservoir ages in the Norwegian Sea during the last deglaciation; discussion: **Quaternary Science Reviews**, 23(9-10), p. 1199, 6 ref., May 2004. For reference to original see Bjorck, S. J., N. Koc, and G. Skog, *Quat. Sci. Rev.*, Vol. 22, No. 5-7, p. 429-435, 2003.

**59004773**

**Bjorck, S. (Lund University, Quaternary Sciences, Lund, Sweden).**

Consistently large marine reservoir ages in the Norwegian Sea during the last deglaciation; reply: **Quaternary Science Reviews**, 23(9-10), p. 1199-1200, May 2004. For reference to discussion see Peacock, J. D., *Quat. Sci. Rev.*, Vol. 23, No. 9-10, p. 1199, 2004; for reference to original see Bjorck, S. J., N. Koc, and G. Skog, *Quat. Sci. Rev.*, Vol. 22, No. 5-7, p. 429-435, 2003.

**59004774**

**Peacock, J. D. (18 McLaren Road, Edinburgh, United Kingdom).**

Consistently large marine reservoir ages in the Norwegian Sea during the last glaciation; reply: **Quaternary Science Reviews**, 23(9-10), p. 1200, May 2004. For reference to discussion see Peacock, J. D., *Quat. Sci. Rev.*, Vol. 23, No. 9-10, p. 1199, 2004; for reference to original see Bjorck, S. et al., *Quat. Sci. Rev.*, Vol. 22, No. 5-7, p. 429-435, 2003.

**59004775**

**Sumner, P. D. (University of Pretoria, Department of Geology, Geoinformatics and Meteorology, Pretoria, South Africa).**

Characteristics and paleoenvironmental significance of relict sorted patterned ground, Drakensberg Plateau, Southern Africa; discussion: **Quaternary Science Reviews**, 23(9-10), p. 1201-1203, 13 ref., May 2004. For reference to original see Grab, S. W., *Quat. Sci. Rev.*, Vol. 21, No. 14-15, p. 1729-1744, 2002.

**59004776**

**Grab, S. W. (University of the Witwatersrand, School of Geography, Archaeology & Environmental Studies, Wits, South Africa).**

Characteristics and palaeoenvironmental significance of relict sorted patterned ground; reply: **Quaternary Science Reviews**, 23(9-10), p. 1203-1204, 3 ref., May 2004. For reference to discussion see Sumner, P. D., *Quat. Sci. Rev.*, Vol. 23, No. 9-10, p. 1201-1203, 2004; for reference to original see Grab, S. W., *Quat. Sci. Rev.*, Vol. 21, No. 14-15, p. 1729-1744, 2002.

**59004777**

**Geiss, Christoph E. (Trinity College, Department of Physics, Hartford, CT); Banerjee, Subir K.; Camill, Phil and Umbanhowar, Charles E., Jr.**

Sediment-magnetic signature of land-use and drought as recorded in lake sediment from south-central Minnesota, USA: **Quaternary Research (New York)**, 62(2), p. 117-125, illus. incl. 1 table, geol. sketch maps, 35 ref., September 2004. Part of this study was funded by NSF/ATM grant 9909523.

**59004778**

**Naurzbaev, Mukhtar M. (Russian Academy of Sciences, Institute of Forest, Krasnoyarsk, Russian Federation); Hughes, Malcolm K. and Vaganov, Eugene A.**

Tree-ring growth curves as sources of climatic information: **Quaternary Research (New York)**, 62(2), p. 126-133, illus. incl. 2 tables, sketch map, 35 ref., September 2004. This work was supported by grants RC1-29 and RB1-2020 from the Civilian Research and Development Foundation of the United States and by NSF grant ATM-0308525 and NOAA grant NA03OAR4310125.

**59004779**

**Navarro, Nicolas (Université de Bourgogne, Biogéosciences, Dijon, France); Lécuyer, Christophe; Montuire, Sophie; Langlois, Cyril and Martineau, François.**

Oxygen isotope compositions of phosphate from arvicoline teeth and Quaternary climatic changes, Gigny, French Jura: **Quaternary Research (New York)**, 62(2), p. 172-182, illus. incl. 4 tables, 47 ref., September 2004.

**59004780**

**Wang Fei (Chinese Academy of Sciences, Institute of Geology and Geophysics, Beijing, China); Li, Hongchun; Zhu Rixiang and Qin Feizhou.**

Late Quaternary downcutting rates of the Qianyou River from U/Th speleothem dates, Qinling Mountains, China: **Quaternary Research (New York)**, 62(2), p. 194-200, illus. incl. 3 tables, geol. sketch map, 26 ref., September 2004.

**59004781**

**Montgomery, David R. (University of Washington, Quaternary Research Center, Seattle, WA); Hallet, Bernard; Liu Yuping; Finnegan, Noah; Anders, Alison; Gillespie, Alan and Greenberg, Harvey M.**

Evidence for Holocene megafloods down the Tsangpo River gorge, southeastern Tibet: **Quaternary Research (New York)**, 62(2), p. 201-207, illus. incl. 2 tables, geol. sketch maps, 17 ref., September 2004.

**59004782**

**Urabe, Atsushi (Niigata University, Research Institute for Hazards in Snowy Areas, Niigata, Japan); Tateishi, Masaaki; Inouchi, Yoshio; Matsuoka, Hirokazu; Inoue, Takahiko; Dmytriev, Alexander and Khlystov, Oleg M.**

Lake-level changes during the past 100,000 years at Lake Baikal, southern Siberia: **Quaternary Research (New York)**, 62(2), p. 214-222, illus. incl. 2 tables, sketch maps, 27 ref., September 2004.

**59004783**

**Grosswald, Mikhail G. (Russian Academy of Sciences, Institute of Geography, Moscow, Russian Federation) and Hughes, Terence J.**

Chlorine-36 and  $^{14}\text{C}$  chronology support a limited last glacial maximum across central Chukotka, northeastern Siberia, and no Beringian ice sheet; discussion: **Quaternary Research (New York)**, 62(2), p. 223-226, illus., 41 ref., September 2004. For reference to originals see Brigham-Grette, J. et al., and Gualtieri, L. et al., *Quaternary Research*, Vol. 59, p. 386-398 and p. 399-410, 2003.

**59004784**

**Brigham-Grette, Julie (University of Massachusetts at Amherst, Department of Geosciences, Amherst, MA) and Gualtieri, Lyn.**

Chlorine-36 and  $^{14}\text{C}$  chronology support a limited last glacial maximum across central Chukotka, northeastern Siberia, and no Beringian ice sheet; Pleistocene raised marine deposits on Wrangel Island, northeastern Siberia; implications for Arctic ice sheet history; reply: **Quaternary Research (New York)**, 62(2), p. 227-232, illus., 59 ref., September 2004. For reference to discussion see Grosswald, M. G. and Hughes, T. J., *Quaternary Research*, Vol. 62, No. 2, p. 233-266, 2004; for reference to originals see Brigham-Grette, J. et al., and Gualtieri, L. et al., *Quaternary Research*, Vol. 59, p. 386-398 and p. 399-410, 2003.

**59004785**

**Orehova, Tatiana (Bulgarian Academy of Sciences, National Institute of Meteorology and Hydrology, Sofia, Bulgaria).**

Impact of snowmelt on spring water temperature for some Bulgarian springs: *in* Urban and rural water systems for sustainable development (Ganoulis, Jacques, editor; *et al.*), **Proceedings of ... Congress of International Association for Hydraulic Research**, 30, Theme B, p. 645-652, illus. incl. 1 table, 10 ref., August 2003. *Meeting*: 30th IAHR congress, Aug. 24-29, 2003, Salonika, Greece.

**59004786**

**Kononova, N. S. (Sankt-Peterburgskii Gornyy Institut, Saint Petersburg, Russian Federation).**

Opređenje visoty stolba zalivochnoi zhidkosti pri burenii glubokikh skvazhin v ledovykh otlozheniakh [Analysis of the anti-freeze liquid level in boreholes drilled in ice sheets]: *in* Poleznye iskopaemykh Rossii i ikh osvoenie, **Zapiski Sankt-Peterburgskogo Gosudarstvennogo Gornogo Instituta Imeni G.V. Plekhanova**, 155, Part 1, p. 110-113 (English sum.), illus., 3 ref., 2003. *Meeting*: Annual conference of young scientists, March 3-April 12, 2003, Saint Petersburg, Russian Federation.

**59004787**

**Rysgaard, Soren (National Environmental Research Institute, Department of Marine Ecology, Silkeborg, Denmark); Glud, Ronnie Nohr; Risgaard-Petersen, Nils and Dalsgaard, Tage.**

Denitrification and anammox activity in Arctic marine sediments: **Limnology and Oceanography**, 49(5), p. 1493-1502, illus. incl. 5 tables, 47 ref., September 2004.

**59004788**

**Verleyen, Elie (Ghent University, Laboratory Protistology and Aquatic Ecology, Ghent, Belgium); Hodgson, Dominic A.; Leavitt, Peter R.; Sabbe, Koen and Vyverman, Wim.**

Quantifying habitat-specific diatom production; a critical assessment using morphological and biogeochemical markers in Antarctic marine and lake sediments: **Limnology and Oceanography**, 49(5), p. 1528-1539, illus. incl. 4 tables, geol. sketch maps, 31 ref., September 2004.

**59004789**

**Brodersen, Klaus Peter (University of Copenhagen, Freshwater Biological Laboratory, Hillerod, Denmark); Pedersen, Ole; Lindegaard, Claus and Hamburger, Kirsten.**

Chironomids (Diptera) and oxy-regulatory capacity; an experimental approach to paleolimnological interpretation: **Limnology and Oceanography**, 49(5), p. 1549-1559, illus. incl. 3 tables, 40 ref., September 2004.

**59004790**

**Humborg, Christoph (Stockholm University, Department of Systems Ecology, Stockholm, Sweden); Smedberg, Erik; Blomqvist, Sven; Morth, Carl-Magnus; Brink, Jenni; Rahm, Lars; Danielsson, Asa and Sahlberg, Jorgen.**

Nutrient variations in boreal and subarctic Swedish rivers; landscape control of land-sea fluxes: **Limnology and Oceanography**, 49(5), p. 1871-1883, illus. incl. 4 tables, geol. sketch maps, 61 ref., September 2004.

**59004791**

**Gooseff, Michael N. (University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO); McKnight, Diane M.; Runkel, Robert L. and Duff, John H.**

Denitrification and hydrologic transient storage in a glacial meltwater stream, McMurdo dry valleys, Antarctica: **Limnology and Oceanography**, 49(5), p. 1884-1895, illus. incl. 3 tables, sketch maps, 43 ref., September 2004. NSF OPP Grant No. 9813061.

**59004792**

**Chang, A. T. (NASA, Goddard Space Flight Center, Hydrological Sciences Branch, Greenbelt, MD); Kelly, R. E. J.; Josberger, E. G.; Armstrong, R. L.; Foster, J. L. and Mognard, N. M.**

Analysis of ground-measured and passive-microwave-derived snow depth variations in midwinter across the Northern Great Plains: **Journal of Hydrometeorology**, 6(1), p. 20-33, illus. incl. 3 tables, 38 ref., February 2005.

**59004793**

**Rankinen, Katri (Finnish Environment Institute, Helsinki, Finland); Karvonen, T. and Butterfield, D.**

A simple model for predicting soil temperature in snow-covered and seasonally frozen soil; model description and testing: *in* Assessing nitrogen dynamics in European ecosystems; integrated measurement and modelling (Wade, Andrew J., editor; *et al.*), **Hydrology and Earth System Sciences**, 8(4), p. 706-716, illus. incl. 4 tables, sketch map, 20 ref., August 2004.

**59004794**

**Kaste, O. (Norwegian Institute for Water Research, Grimstad, Norway); Rankinen, Katri and Lepisto, A.**

Modelling impacts of climate and deposition changes on nitrogen fluxes in northern catchments of Norway and Finland: *in* Assessing nitrogen dynamics in European ecosystems; integrated measurement and modelling (Wade, Andrew J., editor; *et al.*), **Hydrology and Earth System Sciences**, 8(4), p. 778-792, illus. incl. 5 tables, sketch maps, 60 ref., August 2004.

**59004795**

**Raup, Bruce H. (University of Colorado, National Snow and Ice Data Center, Boulder, CO); Scambos, Ted A. and Haran, Terry.**

Topography of streaklines on an Antarctic Ice Shelf from photogrammetry applied to a single Advanced Land Imager (ALI) image: **IEEE Transactions on Geoscience and Remote Sensing**, 43(4), p. 736-742, illus. incl. 2 tables, sketch map, 22 ref., April 2005.

**59004796**

**Flach, J. Dominic (Vexcel UK, Newbury, United Kingdom); Partington, Kim C.; Ruiz, Christian; Jeansou, Eric and Drinkwater, Mark R.**

Inversion of the surface properties of ice sheets from satellite microwave data: **IEEE Transactions on Geoscience and Remote Sensing**, 43(4), p. 743-752, illus. incl. 4 tables, sketch map, 24 ref., April 2005.

**59004797**

**Zhang, Tingjun (University of Colorado, National Snow and Ice Data Center, Boulder, CO); Barry, Roger G. and Armstrong, Richard L.**

Application of satellite remote sensing techniques to frozen ground studies: **Polar Geography (1995)**, 28(3), p. 163-196, illus. incl. 1 table, 97 ref., September 2004.

**59004798**

**Hinkel, Kenneth M. (University of Cincinnati, Department of Geography, Cincinnati, OH); Klene, Anna E. and Nelson, Frederick E.**

The summer climate of an Arctic coastal village; preliminary observations from the Barrow urban heat-island study: **Polar Geography (1995)**, 28(3), p. 197-221, illus. incl. 2 tables, 73 ref., September 2004.

**59004799**

**Gough, William A. (University of Toronto at Scarborough, Department of Physical and Environmental Sciences, Scarborough, ON, Canada); Gagnon, Alexandre S. and Lau, Ho Pang.**

Interannual variability of Hudson Bay ice thickness: **Polar Geography (1995)**, 28(3), p. 222-238, illus. incl. 2 tables, 40 ref., September 2004.

**59004800**

**Sumina, Olga I. (St. Petersburg State University, Department of Geobotany and Plant Ecology, St. Petersburg, Russian Federation) and Mironova, Svetlana I.**

Classification of the vegetation of technogenic landscapes of the Russian far north: **Polar Geography (1995)**, 28(3), p. 239-252, illus. incl. 3 tables, 40 ref., September 2004.

**59004801**

**Derksen, Chris (Meteorological Service of Canada, Downsview, ON, Canada); Walker, Anne E.; Goodison, Barry E. and Strapp, J. Walter.**

Integrating in situ and multiscale passive microwave data for estimation of subgrid scale snow water equivalent distribution and variability: *in* Eighth specialist meeting on Microwave radiometry and remote sensing applications (MicroRad04) (Pierdicca, Nazzareno, editor; *et al.*), **IEEE Transactions on Geoscience and Remote Sensing**, 43(5), p. 960-972, illus. incl. 9 tables, sketch maps, 37 ref., May 2005. *Meeting*: Feb. 24-27, 2004, Rome, Italy.

**59004802**

**Latychev, Konstantin (University of Toronto, Department of Physics, Toronto, ON, Canada); Mitrovica, Jerry X.; Tromp, Jeroen; Tamisiea, Mark E.; Komatitsch, Dimitri and Christara, Christina C.**

Glacial isostatic adjustment on 3-D Earth models; a finite-volume formulation: **Geophysical Journal International**, 161(2), p. 421-444, illus. incl. 2 tables, 86 ref., May 2005.

**59004803**

**Mitrovica, Jerry X. (University of Toronto, Department of Physics, Toronto, ON, Canada); Wahr, John; Matsuyama, Isamu and Paulson, Archie.**

The rotational stability of an ice-age earth: **Geophysical Journal International**, 161(2), p. 491-506, illus., 43 ref., May 2005.

**59004804**

**Sasgen, Ingo; Wolf, Detlef; Martinec, Zdenek; Klemann, Volker and Hagedoorn, Jan.**

Geodetic signatures of glacial changes in Antarctica; rates of geoid-height change and radial displacement due to present and past ice-mass variations: **Scientific Technical Report - GeoForschungsZentrum Potsdam**, Rep. No. 05-01, 72 p. (German sum.), illus. incl. 8 tables, sketch maps, 78 ref., January 2005.

**59004805**

**van Buchem, Frans S. P. (Institut Français du Pétrole, Geology-Geochemistry Division, Rueil-Malmaison, France); Huc, A. Yves; Pradier, Bernard and Stefani, Marco M.**

Stratigraphic patterns in carbonate source-rock distribution; second-order to fourth-order control and sediment flux: *in* The deposition of organic-carbon-rich sediments; models, mechanisms, and consequences (Harris, Nicholas B., editor), **Special Publication - Society for Sedimentary Geology**, 82, p. 191-223, illus. incl. sects., 1 table, geol. sketch maps, 101 ref., March 2005.

**59004806**

**Dong, Buwen (Hadley Centre for Climate Prediction and Research, Exeter, United Kingdom) and Sutton, Rowan T.**

Mechanism of interdecadal thermohaline circulation variability in a coupled ocean-atmosphere GCM: **Journal of Climate**, 18(8), p. 1117-1135, illus. incl. sketch maps, 58 ref., April 15, 2005.

**59004807**

**Stewart, Iris T. (Scripps Institution of Oceanography, La Jolla, CA); Cayan, Daniel R. and Dettlinger, Michael D.**

Changes toward earlier streamflow timing across western North America: **Journal of Climate**, 18(8), p. 1136-1155, illus. incl. 1 table, sketch map, 46 ref., April 15, 2005.

**59004808**

**Kharin, Viatcheslav V. (Canadian Centre for Climate Modelling and Analysis, Meteorological Service of Canada, Victoria, BC, Canada) and Zwiers, Francis W.**

Estimating extremes in transient climate change simulations: **Journal of Climate**, 18(8), p. 1156-1173, illus. incl. 1 table, 42 ref., April 15, 2005. Includes appendix.

**59004809**

**Wilkinson, J. P. (Scottish Association for Marine Science, Oban, United Kingdom) and Wadhams, P.**

A method of detecting change in the ice conditions of the central Greenland Sea by the whelping locations of harp seals: **Journal of Climate**, 18(8), p. 1216-1226, illus. incl. sketch maps, 36 ref., April 15, 2005.

**59004810**

**Fortier, Daniel (Université Laval, Centre d'Études Nordiques, Ste. Foy, PQ, Canada) and Allard, Michel.**

Frost-cracking conditions, Bylot Island, eastern Canadian Arctic Archipelago: **Permafrost and Periglacial Processes**, 16(2), p. 145-161, illus. incl. 6 tables, sketch maps, 41 ref., June 2005.

**59004811**

**Grosse, Guido (Alfred Wegener Institute for Polar and Marine Research, Potsdam, Federal Republic of Germany); Schirrmeyer, Lutz; Kunitsky, Viktor V. and Hubberten, Hans-Wolfgang.**

The use of CORONA images in remote sensing of periglacial geomorphology; an illustration from the NE Siberian coast: **Permafrost and Periglacial Processes**, 16(2), p. 163-172, illus. incl. 5 tables, sketch map, 41 ref., June 2005.

**59004812**

**French, Hugh M. (University of Ottawa, Departments of Geography and Earth Sciences, Ottawa, ON, Canada); Demitroff, Mark and Forman, Steve L.**

Evidence for late-Pleistocene thermokarst in the New Jersey Pine Barrens (latitude 39°N), eastern USA: **Permafrost and Periglacial Processes**, 16(2), p. 173-186, illus. incl. 1 table, sketch map, 54 ref., June 2005.

**59004813**

**Kääb, A. (University of Zurich, Department of Geography, Zurich, Switzerland) and Reichmuth, T.**

Advance mechanisms of rock glaciers: **Permafrost and Periglacial Processes**, 16(2), p. 187-193, illus., 14 ref., June 2005.

**59004814**

**Lund, Karen E. (York University, Department of Geography, Toronto, ON, Canada) and Young, Kathy L.**

Contaminant transport in High Arctic soils; a tracer experiment: **Permafrost and Periglacial Processes**, 16(2), p. 195-207, illus., 30 ref., June 2005.

**59004815**

**Ishikawa, Mamoru (Japan Agency for Marine-Earth Science and Technology, Institute of Observational Research for Global Change, Yokosuka, Japan); Sharkhuu, Natsagdorj; Zhang, Yinsheng; Kadota, Tsutomu and Ohata, Tetsuo.**

Ground thermal and moisture conditions at the southern boundary of discontinuous permafrost, Mongolia: **Permafrost and Periglacial Processes**, 16(2), p. 209-216, illus. incl. 1 table, sketch map, 20 ref., June 2005.

**59004816**

**Brouchkov, Anatoli (Hokkaido University, Research Center for North Eurasia and North Pacific Regions, Sapporo, Japan); Fukuda, Masami; Iwahana, Go; Kobayashi, Yoshikazu and Konstantinov, Pavel.**

Thermal conductivity of soils in the active layer of eastern Siberia: **Permafrost and Periglacial Processes**, 16(2), p. 217-222, illus. incl. 4 tables, 9 ref., June 2005.

**59004817**

**Zweck, Chris (Alfred-Wegener-Institut für Polar-und Meeresforschung, Bremerhaven, Federal Republic of Germany) and Huybrechts, Philippe.**

Modeling of the Northern Hemisphere ice sheets during the last glacial cycle and glaciological sensitivity: **Journal of Geophysical Research**, 110(D7), 24 p., illus. incl. 2 tables, sketch maps, 123 ref., April 16, 2005.

**59004818**

**Arnell, Nigel W. (University of Southampton, School of Geography, Southampton, United Kingdom).**

Implications of climate change for freshwater inflows to the Arctic Ocean: **Journal of Geophysical Research**, 110(D7), 9 p., illus. incl. 8 tables, sketch maps, 29 ref., April 16, 2005.

**59004819**

**Kekonen, Teija (University of Lapland, Arctic Centre, Rovaniemi, Finland); Moore, John; Peramaki, Paavo; Mulvaney, Robert; Isaksson, Elisabeth; Pohjola, Veijo and van de Wal, Roderik S. W.**

The 800 year long ion record from the Lomonosovfonna (Svalbard) ice core: **Journal of Geophysical Research**, 110(D7), 11 p., illus. incl. 1 table, sketch map, 85 ref., April 16, 2005.

**59004820**

**Su, Fengge (University of Washington, Department of Civil and Environmental Engineering, Seattle, WA); Adam, Jennifer C.; Bowling, Laura C. and Lettenmaier, Dennis P.**

Streamflow simulations of the terrestrial Arctic domain: **Journal of Geophysical Research**, 110(D8), 25 p., illus. incl. 5 tables, sketch map, 108 ref., April 27, 2005. NSF Grant OPP-0230372; Includes appendix.

**59004821**

**Mills, Michael J. (University of Colorado, Laboratory for Atmospheric and Space Physics and Program in Atmospheric and Oceanic Sciences, Boulder, CO); Toon, Owen B.; Vaida, Veronica; Hintze, Paul E.; Kjaergaard, Henrik G.; Schoefield, Daniel P. and Robinson, Timothy W.**

Photolysis of sulfuric acid vapor by visible light as a source of the polar stratospheric CN layer: **Journal of Geophysical Research**, 110(D8), 7 p., illus. incl. 1 table, 38 ref., April 27, 2005.

**59004822**

**Mann, G. W. (University of Leeds, Institute for Atmospheric Science, Leeds, United Kingdom); Carslaw, K. S.; Chipperfield, M. P.; Davies, S. and Eckermann, S. D.**

Large nitric acid trihydrate particles and denitrification caused by mountain waves in the Arctic stratosphere: **Journal of Geophysical Research**, 110(D8), 12 p., illus. incl. sketch maps, 37 ref., April 27, 2005.

**59004823**

**Phillips, Gavin J. (University of Alaska Fairbanks, Geophysical Institute, Fairbanks, AK) and Simpson, William R.**

Verification of snowpack radiation transfer models using actinometry: **Journal of Geophysical Research**, 110(D8), 8 p., illus. incl. 1 table, 13 ref., April 27, 2005.

**59004824**

**Miller, K. G. (Rutgers University, Department of Geological Sciences, Piscataway, NJ); Wright, James D. and Browning, J. V.**

Visions of ice sheets in a greenhouse world: *in* Ocean chemistry over the Phanerozoic and its links to geological processes (de la Rocha, Christina L., editor; *et al.*), **Marine Geology**, 217(3-4), p. 215-231, illus. incl. strat. cols., 1 table, sketch map, 87 ref., June 15, 2005. NSF grants OCE0084032, EAR97-08664, and EAR99-09179.

**59004825**

**de la Rocha, Christina L. (University of Cambridge, Department of Earth Sciences, Cambridge, United Kingdom) and Bickle, Michael J.**

Sensitivity of silicon isotopes to whole-ocean changes in the silica cycle: *in* Ocean chemistry over the Phanerozoic and its links to geological processes (de la Rocha, Christina L., editor; *et al.*), **Marine Geology**, 217(3-4), p. 267-282, illus. incl. 4 tables, 43 ref., June 15, 2005.

**59004826**

**Eilertsen, Raymond (Geological Survey of Norway, Tromsø, Norway); Corner, Geoffrey D. and Aasheim, Odd.**

Deglaciation chronology and glaciomarine successions in the Malangen-Malselv area, northern Norway: **Boreas**, 34(3), p. 233-251, illus. incl. sects., strat. cols., 2 tables, geol. sketch maps, 72 ref., August 2005.

**59004827**

**Simstich, Johannes (University of Cambridge, Department of Earth Sciences, Cambridge, United Kingdom); Erlenkeuser, Helmut; Harms, Ingo; Spielhagen, Robert F. and Stanovoy, Vladimir.**

Modern and Holocene hydrographic characteristics of the shallow Kara Sea shelf (Siberia) as reflected by stable isotopes of bivalves and benthic Foraminifera: **Boreas**, 34(3), p. 252-263, illus. incl. 1 table, sketch map, 58 ref., August 2005.

**59004828**

**Gualtieri, Lyn (University of Washington, Earth and Space Sciences Department, Seattle, WA); Vartanyan, Sergey L.; Brigham-Grette, Julie and Anderson, Patricia M.**

Evidence for an ice-free Wrangel Island, northeast Siberia during the last glacial maximum: **Boreas**, 34(3), p. 264-273, illus. incl. 2 tables, sketch maps, 30 ref., August 2005.

**59004829**

**Golledge, Nicholas R. (British Geological Survey, Scotland, United Kingdom) and Hubbard, Alun.**

Evaluating Younger Dryas glacier reconstructions in part of the western Scottish Highlands; a combined empirical and theoretical approach: **Boreas**, 34(3), p. 275-286, illus. incl. 1 table, geol. sketch maps, 47 ref., August 2005.

**59004830**

**Lukas, Sven (University of Andrews, School of Geography and Geosciences, Saint Andrews, United Kingdom).**

A test of the englacial thrusting hypothesis of "hummocky" moraine formation; case studies from the northwest Highlands, Scotland: **Boreas**, 34(3), p. 287-307, illus. incl. 1 table, geol. sketch maps, 73 ref., August 2005.

**59004831**

**Lonne, Ida (Villaveien 21, Drobak, Norway).**

Faint traces of high Arctic glaciations; an early Holocene ice-front fluctuation in Bolterdalen, Svalbard: **Boreas**, 34(3), p. 308-323, illus. incl. sects., strat. col., 1 table, geol. sketch maps, 66 ref., August 2005.

**59004832**

**Vardy, Sheila R. (University of Waterloo, Wetlands Research Centre, Waterloo, ON, Canada); Warner, Barry G. and Asada, Taro.**

Holocene environmental change in two polygonal peatlands, south-central Nunavut, Canada: **Boreas**, 34(3), p. 324-334, illus. incl. strat. cols., 2 tables, sketch map, 39 ref., August 2005.

**59004833**

**Szymanek, Marcin (University of Warsaw, Faculty of Geology, Warsaw, Poland); Nitychoruk, Jerzy; Trammer, Jerzy and Binka, Krzysztof.**

Influence of climate on the variability of snails of the genus *Viviparus* in deposits of the Holsteinian (Mazovian) Interglacial from Ortel Królewski, eastern Poland: **Boreas**, 34(3), p. 335-344, illus. incl. sect., strat. col., 1 table, sketch map, 22 ref., August 2005.

**59004834**

**Stea, Rudolph R. (Nova Scotia Department of Natural Resources, Halifax, NS, Canada) and Mott, Robert J.**

Younger Dryas glacial advance in the southern Gulf of St. Lawrence, Canada; analogue for ice inception?: **Boreas**, 34(3), p. 345-362, illus. incl. strat. cols., sect., 1 table, geol. sketch maps, 85 ref., August 2005.

**59004835**

**Moine, Olivier (Université de Montpellier II, Paléoenvironnements, Montpellier, France); Rousseau, Denis-Didier and Antoine, Pierre.**

Terrestrial molluscan records of Weichselian lower to middle pleniglacial climate changes from the Nussloch loess series (Rhine Valley, Germany); the impact of local factors: **Boreas**, 34(3), p. 363-380, illus. incl. sect., strat. cols., 1 table, geol. sketch map, 36 ref., August 2005.

**59004836**

**Muñoz Sobrino, Castor (Universidade de Vigo, Departamento Bioloxía Vexetal e Ciencias do Solo, Vigo, Spain); Ramil-Rego, Pablo; Gómez-Orellana, Luis and Díaz Varela, Ramon Alberto.**

Palynological data on major Holocene climatic events in NW Iberia: **Boreas**, 34(3), p. 381-400, illus. incl. strat. cols., 4 tables, geol. sketch maps, 75 ref., August 2005.

**59004837**

**Francou, Bernard.**

Hautes montagnes, passion d'explorations [High mountains; an exploring passion]: Masson, Paris, France, 202 p., illus. incl. 12 tables, 8 plates, 1 p. ref., 1993. ISBN: 2-225-82821-0.

**59004838**

**Timofeyeva, Marina (Kent State University, Department of Geology, Kent, OH); Clement, Susanne and Craig, Rachael.**

Estimates of glacial climate and runoff for the Bonneville Basin: *in* Proceedings of the Fifteenth annual Pacific climate (PACLIM) workshop (Wilson, Raymond C., editor; *et al.*), **Technical Report - Interagency Ecological Study Program for the Sacramento-San Joaquin Estuary**, 64, p. 9-19, illus. incl. 2 tables, geol. sketch maps, 20 ref., April 1999. *Meeting:* April 27-30, 1998, Santa Catalina Island, CA.

**59004839**

**Potter, Noel, Jr. (University of Minnesota, School of Earth Sciences, Minneapolis, MN).**

Rock glaciers and mass-wastage in the Galena Creek area, northern Absaroka Mountains, Wyoming: 64 p., illus. incl. 6 plates, 5 tables, sketch maps, 38 ref., March 1967. *Available from:* U. S. Army, Natick Laboratories, Natick, MA, United States. Technical report.

**59004840**

**Hyvarinen, Hannu (University of Helsinki, Department of Geology, Helsinki, Finland) and Alhonen, Pentti.**

Holocene lake-level changes in the Fennoscandian tree-line region, western Finnish Lapland; diatom and cladoceran evidence: **The Holocene**, 4(3), p. 251-258, illus. incl. 1 table, geol. sketch map, 38 ref., 1994.

**59004841**

**Begét, James E. (University of Alaska, Department of Geology and Geophysics, Fairbanks, AK).**

Tephrochronology, lichenometry and radiocarbon dating at Gulkana Glacier, central Alaska Range, USA: **The Holocene**, 4(3), p. 307-313, illus. incl. 2 tables, sketch map, 27 ref., 1994.

**59004842**

**Hecht, Jeff.**

Huge snowball on outskirts of solar system puts Pluto in the shade: **New Scientist** (1971), 176(2364), p. 19, illus., October 12, 2002.

**59004843**

**Coe, Jeffrey A. (U. S. Geological Survey); Godt, Jonathan W. and Henceroth, Alan J.**

Debris flows along the Interstate 70 corridor, Floyd Hill to the Arapahoe Basin ski area, central Colorado; a field trip guidebook: **Open-File Report - U. S. Geological Survey**, Rep. No. OF 02-0398, 38 p., illus. incl. 1 table, sketch map, 45 ref., October 2002. WWW. Accessed on Dec. 10, 2002.

<http://pubs.usgs.gov/of/2002/ofr-02-398/>

**59004844**

**Roest, Walter R. (Geological Survey of Canada, Ottawa, ON).**

Marine magnetic anomalies in Labrador: *in* Examples of the utility of magnetic anomaly data for geologic mapping (Finn, Carol A., editor), **Open-File Report - U. S. Geological Survey**, Rep. No. OF 02-0400, p. 12-14, sketch map, 2002. WWW.  
<http://pubs.usgs.gov/of/2002/ofr-02-0400/>

**59004845**

**Abelev, M. Yu.**

Analysis of structure failures due to loss of stability: **Soil Mechanics and Foundation Engineering**, 29(1), p. 31, February 1992, [July 1992].

**59004846**

**Kushnir, S. Ya. and Strizhkov, S. N.**

Use of geotextiles in Earth structures for oil-gas pipelines under West Siberia conditions: **Soil Mechanics and Foundation Engineering**, 29(3), p. 81-84, illus. incl. 2 tables, June 1992, [November 1992].